

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

Mining Plan Modification REPORT

Hyderabad regional office

Mine file No : AP/NLG/LST--30/HYD

Mine code : 38APR14043

- (i) Name of the Inspecting : **M015**) **MANISH K. MAINDIRATTA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 25/10/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHOUTAPALLY LIMESTONE**
- (b) **Registration NO.** : **6098/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : **TELANGANA**
District : **NALGONDA**
Village : **MELLACHERUVU**
Taluka : **MELLACHERUVU**
Post office : **MELLACHERUVU**
Pin Code : **508246**
FAX No. : **08683-226354**
E-mail : **mahacement@myhomegroup.in**
Phone : **08683-226025**
- (f) Police Station :
- (g) First opening date : 18/11/2005
- (h) Weekly day of rest : SUN
2. Address for : **CHOTAPALLY VILLAGE**
correspondance : **MATTAMPALLY MANDAL**
NALGONDA DISTRICT
3. (a) Lease Number : **APR2904**
- (b) Lease area : **261.99**
- (c) Period of lease :
- (d) Date of Expiry : **31/07/2025**
4. Mineral worked : **LIMESTONE** Main

5. Name and Address of the

Lessee : M/S MY HOME CEMENT INDUSTRIES
 9TH FLOOR, BLOCK-3, MY HOME
 HUB, MADHAPUR,
 HYDERABAD500081 HYDERABAD
 TELANGANA
 Phone:040-66929696
 FAX :040-66929797

Owner : SRI V S NARANG
 MY HOME INDUSTRIES LTD. 9TH
 FLOOR, BLOCK 3, MY HOME
 HUB, MADHAPUR, HYDERABAD
 NALGONDA TELANGANA
 Phone: 040-66929696
 FAX : 040-66929797

Agent : VIJAY KESHAV CHAKUNDE
 MELLACHERUVU VILLAGE &
 MANDAL NALGONDA DISTRICT
 NALGONDA TELANGANA
 Phone:
 FAX :

Mining Engineer

Name : NIMMATOORI NARESH,Full Time
 Qualification : B.TECH(MINING)
 Appointment/ : 01/10/2018
 Termination date

Geologist

Name : SK NAGUR MEERA SAHEB,Full Time
 Qualification : MSC (GEOLOGY)
 Appointment/ : 18/06/2018
 Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	22/12/2005
Plan/Scheme of Mining		Modif.of approved Mining Plan	26/12/2007
		Modif.of approved Mining Plan	29/09/2009
		Mining Scheme rule 12 MCDR1988	17/09/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2017-18 = no proposal	lessee has drilled 26 DTH holes to confirm the mineral zone.	
1b	Exploration over lease area for geological axis 1 or 2		Entire lease area except the area demarcated as shale unit has been explored earlier. Since the lithocontacts are gradational. the contact zone may required to be remarked to establish the resource upto new threshold value which is based on CaO only and not silica.	In the light of new threshold value, few additional boreholes may be required to establish the resource in Shaly argillaceous limestone area.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	2017-8- No proposal	2017-18- NIL	-
1d	Balance area to be explored to bring Geological axis in 1 or 2		part of remaining 40 hectare lease area currently demarcated as shale may require additional exploration due to change in threshold value.	
1e	Balance reserve as on 01/04/20		Reserves under 111/121/122 (as on 1/4/2018) = 52.951m T- 6.11mT = 46.841 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	In the centre part of the pit.	Undertaken as proposed.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)		top soil has been worked separately and three is no overburden in the lease.	

2c	Stripping ratio or ore to OB ratio		No Overburden generation is there in the lease.
2d	Quantity of topsoil generation in m3	2017-18 - 238405 cu.m	2017-18 = 147171 cu.m
2e	Quantity of overburden generation in m3	Nil	Nil

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2018-19 = 1819988 MT 2017-18 = 1819990	2018-19 (upto 31/8/2018) = 488418 MT 2017-18 = 1624128 MT	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	mineral reject generation is observed during field inspection which was reportedly generated during increase in sump size .	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Shaly material is found to be generated during sump widening.	
3f	Quantity of sub grade mineral generation.	No proposal	as reported during field inspection, no subgrade mineral is generated. However purple limestone is seen as being spread on the slope of the dump.	
3g	Grade of sub grade mineral generation	No proposal	not Applicable as no sub grade generation reported.	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Not Applicable	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	not undertaken
3j	Provision of drilling and blasting in mineral benches	Deep holes drilling and blasting Proposed	Practiced as proposed.
3k	Provision of mining machineries in mineral benches	mechanised mining proposed	mechanised mining practiced with Shovel 2.5 cu.m & Tipper combination and drill machine.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes
3m	Total area covered under excavation/pits	till 2017-18= 74.24 hectare	2017-18 = 77.180 ha
3n	Ore to OB ratio for the pit/mine during the year.		No overburden has been generated except for the BC soil
3o	Total area put in use under different heads at the end of year		Area under pit - 77.67 ha Top soil dump = 4.3079 ha Infra - 0.75 ha Road 3.6185 ha
3p	Production of ROM mineral during the last five year period as applicable	2013-14= 1820000 T 2014-15= 1819995 T 2015-16= 1820010 T 2016-17 = 1819990 T 2017-18=1819990 T 2018-19 =1819988 T	2013-14= 1517388 T 2014-15= 1605794 T 2015-16= 1599782 T 2016-17 = 1169518 T 2017-18=1733773 T 2018-19 (till 31/8/2018)= 610330 T
3q	General remarks of inspecting officers on method of mining etc.		In the recently drilled boreholes water has been seen and based on the experience in the nearby mines, the hydrogeological study should be undertaken.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	separate dumping of topsoil proposed and no mineral reject generation assessed.	Top soil is being dumped separately. However, mineral reject generated need to be stacked separately, which is found to spread on the side walls of the top soil dump in the name of pitching.	
4b	Location of topsoil, OB and mineral reject dumps		Topsoil has been dumped at four sites. However there is only one major dump.	
4c	Number of dumps within lease area and outside of lease area	5	4 dumps within the lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	na	On the area demarcated as shale .	
4e	Number of active and alive dumps.		Four dumps	
4f	Number of dead dumps.	NA	NIL	
4g	Number of dumps established.	NA	Four dumps	
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall proposed	Not undertaken.	
4i	Length of Retaining wall or garland drain all along dumps	-----	No	
4j	Number of settling ponds	Proposed	Not done	

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.		Though shale is exposed in the bottom part of the pit , in the western part. No backfilling is proposed as there ia no OB .	In light of new threshold value the backfilling is not advisable.
5b	Area under backfilling of mined out area	NO proposal	Nil	Nil

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	stacking and utilisation proposed	Practised as proposed.
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil

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	
6b	Area available for rehabilitation (ha) .	No proposal	NIL	
6c	afforestation done (ha).	no proposal for afforestation on backfilled area	Not undertaken accordingly	area is not mature fully for the purpose.
6d	No. of saplings planted during the year	no proposal for afforestation on backfilled area	Not applicable	
6e	Cumulative no .of plants	no proposal for afforestation on backfilled area	nil	
6f	Any other method of rehabilitation	no proposal for afforestation on backfilled area	-----	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	no proposal for reclamation and rehabilitation by backfilling	Not undertaken	Area is not mature for the purpose.

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	no proposal for reclamation and rehabilitation by backfilling	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	no proposal for reclamation and rehabilitation by backfilling	Not undertaken accordingly
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	no proposal for rehabilitation by water reservoir	Not undertaken
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	no proposal	Not undertaken accordingly
6m	Compliance of rehabilitation of waste land within lease (i) afforestation		afforestation has been undertaken on the waste land i.e, shaly area as well
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation		waste land is being rehabilitated by plantation.
6p	Compliance of environmental monitoring (core zone and buffer zone)	proposed	Environment monitoring is being carried out regularly.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting not proposed.	Grade wise sorting is not required in the case.	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Simultaneous blending done while lifting of material.
7c	Different grade of mineral sorted out at mines.	Not applicable
7d	Any beneficiation process at mines	Mineral benefeciation is not required.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed	top soil is being worked separately. It is both stacked and utilised for plantation.	
8b	Concurrent use or storage of topsoil	stacking and utilisation for plantation proposed.	It is both stacked and utilised for plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)		waste rock/ reject is seen to have been generated which is reportedly generated during sump widening.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not Applicable as there is no OB available to restore the land to it's original use	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Not undertaken	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	About 8 hectare area is under plantation within the lease.
8g	Survival rate	about 80%
8h	Water sprinkling on roads to control airborne dust	Practiced as proposed
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	

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	Submitted	Notice of mining engineer and Geologist have been changed. Notice submitted Sh N Naresh - Mining Engineer Geologist- Sk Nagur Meera Sahib	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Submitted in returns	Broadly as per submission	
9d	Scrutiny of Annual return on afforestation	submitted	1808 saplings planted	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil reported	generation observed on date of inspection, reportedly due to sump widening.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	submitted	Open Cast Workings Opening balance 0.000 T Production - 1169518.000T Closing Balance-0.000T	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production 212.59 Rs PMT						
9h	Scrutiny of Annual return on fixed assets	Submitted						
9k	Scrutiny of Annual return on mining machineries	<table border="0"> <tr> <td style="vertical-align: top;">SHOVEL (HYDRAULIC) 2.500 CUM 3 TRUCK</td> <td style="vertical-align: top;">SHOVEL (HYDRAULIC) 2.500 CUM 3 TRUCK 20.000</td> </tr> <tr> <td style="vertical-align: top;">20.000 TONNE 9</td> <td style="vertical-align: top;">TONNE 9 AIR COMPRESSOR 450.000 CUM/MN 1</td> </tr> <tr> <td style="vertical-align: top;">AIR COMPRESSOR 450.000 CUM/MN 1 ROCK DRILL (NON-ELEC.) 115.000 MM 1 WATER TANKER 1000 LITRE</td> <td style="vertical-align: top;">ROCK DRILL (NON-ELEC.) 115.000 MM 1 WATER TANKER 1000 LITRE 1 EXPLOSIVE VAN 9.140 TONNE 1</td> </tr> </table>	SHOVEL (HYDRAULIC) 2.500 CUM 3 TRUCK	SHOVEL (HYDRAULIC) 2.500 CUM 3 TRUCK 20.000	20.000 TONNE 9	TONNE 9 AIR COMPRESSOR 450.000 CUM/MN 1	AIR COMPRESSOR 450.000 CUM/MN 1 ROCK DRILL (NON-ELEC.) 115.000 MM 1 WATER TANKER 1000 LITRE	ROCK DRILL (NON-ELEC.) 115.000 MM 1 WATER TANKER 1000 LITRE 1 EXPLOSIVE VAN 9.140 TONNE 1
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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
MCDR17	Rule 11(1)	05/11/2018			
MCDR17	Rule 14(1)	05/11/2018			
MCDR17	Rule 26(2)	05/11/2018			

Date :**(MANISH K. MAINDIRATTA)**

Indian Bureau of Mines