

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

**Mining Plan Modification REPORT**

**Hyderabad regional office**

**Mine file No :** AP/NLG/LST-19 A/HYD

**Mine code :** 38APR14044

- (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 : 05/01/2019
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MY HOME(141.644 HA)**
- (b) **Registration NO.** : **IBM/6908/2011**
- (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 : **myhomehdz@bsnl.com**  
Phone : **08683-226025,226316**
- (f) Police Station : **MELLACHERVU**
- (g) First opening date : **19/03/1993**
- (h) Weekly day of rest : **SUN**
2. Address for : **MELLACHERVU(VILLAGE & MANDAL)**  
correspondance : **NAGONDA DISTRICT-508246**
3. (a) Lease Number : **APR2342**
- (b) Lease area : **141.64**
- (c) Period of lease :
- (d) Date of Expiry : **01/08/2014**
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 : DR.J.RAMESWAR RAO  
 4TH FLOOR,MYHOME JUPALLY,  
 AMEERPET ROAD,GREENLANDS  
 HYDERABAD HYDERABAD  
 TELANGANA  
 Phone: 23328032,233280  
 FAX : 04023321271

Agent : CHANDRASEKHAR PANDEY  
 NALGONDA TELANGANA  
 Phone:  
 FAX :

## Mining Engineer

Name : VENKANNA,Full Time  
 Qualification :  
 Appointment/ : 08/12/2007  
 Termination date

## Geologist

Name : P.V.R.S.RAJU,Full Time  
 Qualification : M.Sc(GEOLOGY)  
 Appointment/ : 18/08/2007  
 Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	02/04/2001
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	06/02/2004
		Fresh under rule 22 MCR1960	05/07/2007
		Mining Scheme rule 12 MCDR1988	15/10/2012
		Renewal under rule 24 MCR1960	19/09/2014

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Exploration was earlier proposed as per then threshold value and considering the purple shale / purple argillaceous limestone as not useable for the cement manufacturing. 60 No's of core BH's completed so far. Almost entire area (About 105 hectare) has been covered under G1 and G2 level of exploration.
1b	Exploration over lease area for geological axis 1 or 2	Except for the feasibility resource area entire area was explored under G1 and G2	Nil	The area which is not mineable due to presence of railway line has largely not been explored. So the proposals are to be taken in the next document for exploration of the meagre area in accordance with the rule. Proposal has to be reconsidered accordingly in the next document.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	No exploration was proposed nor done.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	About 36 Ha of area is blocked by railway line and is pending for exploration.

1e	Balance reserve as on 01/04/20	As per last approved document (1.10.2013): Proved Mineral Reserves (111) = 27.99mT Probable Mineral Reserves (121 & 122) = 8.870 mT Feasibility Mineral Reserves (211) = 8.950 mT  reserves as on 1/1/2019 depletion -7.147 +0.559 =7.706 mT Balance reserves (111)= 27.99-7.147= 20.284mT (121 & 122) = 8.870 mT
1f	General remarks of inspecting officers on geology, exploration etc	Mining Plan approval for Lease 1 (150 acres) on 28.03.1994 and subsequently scheme and modifications were passed. Mining Plan approval of lease 2 (200 Acres) on 17.05.2002. The lease was subsequently amalgated. Mining plan for the amalgamated lease was passed on 05.07.2004. Since then document is being processed for amalgamated area. The amalgamated area largely consits of cement grade limestone with small area under shale. argillaceous limestone which is not useable for cement manufacturing.

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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Production proposed from pit-1 and Pit- 2	Production has been undertaken from the proposed area for production and mostly from the pit-1 only. From the area E384578- E384630, N1857940- 1858000	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NA	Mineral is exposed as outcrop. No overburden generation or top soil generation is there.
2c	Stripping ratio or ore to OB ratio	NA	Nil
2d	Quantity of topsoil generation in m3	NA	Nil
2e	Quantity of overburden generation in m3	NA	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		In the mine there are only production benches. The development is not envisaged as the area is devoid of Overburden.

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2 No's	Reportedly production has been taken mainly from pit-1 .	
3b	Quantity of ROM mineral production proposed	19,500,000 Tons	16,14,838 Tons	
3c	Recovery of sailable/usable mineral from ROM production	100% Recovery	100% Recovery as the entire mineral is being used for cemnt production.	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral rejects generation and threshold value declared.	NA	Nil	
3f	Quantity of sub grade mineral generation.	NA	Nil	
3g	Grade of sub grade mineral generation	NA	Nil	

3h	Manual / Mechanised method adopted for segregating from ROM		No segregation is done as the mineral is only simultaneously blended for grade control.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	Nil
3j	Provision of drilling and blasting in mineral benches		The conventional drilling and blasting and opencast mechanized mining method is practiced during exploration of limestone. Ammonium nitrate based slurry explosives in cartridge form of 83mm dia are being used for blasting of 115mm dia bore holes. Sometimes as per requirement the slurry explosive is also used for blasting.
3k	Provision of mining machineries in mineral benches	a) Shovel : 2.5m <sup>3</sup> - 2 Nos b) Trucks 25T - 7 nos c) drill machine - Atlas Cpoco 116mm dia - 2 nos.	a) Shovel : 2.5m <sup>3</sup> - 1 Nos b) Trucks 25T - 2 nos c) drill machine - Atlas Cpoco 116mm dia - 2 nos. d) Trucks 25T - 1 10 No's
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Mine is being worked with benches of about 7- 8m in the limestone. The height of bench is suitable for the production from the available machinery.
3m	Total area covered under excavation/pits	88.38 hectare proposed at the end of 5 year period i.e, 31.03.2019	83.15 hectare Approx is under pit
3n	Ore to OB ratio for the pit/mine during the year.	na	nIL as there is no overburden

3o	Total area put in use under different heads at the end of year	As on 31.03.2019 i.e, end of plan period Cumulative Area under excavation/ pit=88.38 ha. appx. Cumulative Area under road,rail, infrastructure =7.15 ha. appx.	As on 31/3/2018 Cumulative Area under excavation/ pit=83.15 ha. appx. Cumulative Area under road, rail infrastructure=7.00 ha. appx.	Area under afforestation=About 16 hectare is under plantation.
3p	Production of ROM mineral during the last five year period as applicable	2013-14=1950000 T 2014-15=1950000 T 2015-16=1950000 T 2016-17=1950000 T 2017-18=1950000 T	2013-14=1502447 T 2014-15=1522451 T 2015-16=1267020 T 2016-17= 1253530 T 2017-18= 1614838 T	
3q	General remarks of inspecting officers on method of mining etc.		Area is devoid of overburden and largely top soil is also not present. Mineral is exposed on the surface . meagre amount of top soil (Black Cotton soil) is there in the joints which is recoverable occasionally. The mining is being done by excavator- dumper combination using large dia drilling and use fo explosive. The mining has extended near to the water table as such the Hydrogeological study should be undertaken to understand the impact of it on mining and environment.	

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NA	Nil	In the absence of top soil and OB separate dumping is not required. Whatever meagre generation is there from the crevices of the joints is recovered if possible and used for plantation.
4b	Location of topsoil, OB and mineral reject dumps	NA	Nil	
4c	Number of dumps within lease area and outside of lease area	NA	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	Nil	
4e	Number of active and alive dumps.	NA	Nil	
4f	Number of dead dumps.	NA	Nil	
4g	Number of dumps established.	NA	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	Nil	
4i	Length of Retaining wall or garland drain all along dumps	NA	Nil	
4j	Number of settling ponds			
4k	Specific comments of inspecting officer on waste dump management			Area is devoid of overburden. Mineral is exposed on the surface .

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Solid Waste Management - Backfilling:

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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.	No proposal	Not envisaged as area is not matured for reclamation by backfilling. However in the absence of waste material backfilling is not possible and area can only be converted as water reservoir.
5b	Area under backfilling of mined out area	---	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal as top soil generation was not envisaged	meagre amount if recoverable from the crevices for the joints is used for plantation. However the limestone is exposed on the surface.
5d	Total area fully reclaimed and rehabilitated	No proposal	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.		In the document submitted the proposal is required for pushing the benches upto the ultimate pit limit and can then be used for rehabilitation of the top bench by plantation.

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Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	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	No area is available for rehabilitation of mine benches at present.	The benches need to be pushed upto the ultimate pit limit to make them mature for rehabilitation.

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	No area is available for rehabilitation by backfilling at present.	In the absence of waste material backfilling is also not possible. Area need to be converted into water reservoir after the exploitation of the resource.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not undertaken and not possible due to non availability of waste material.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area		Plantation in backfilled area is not possible . However the lessee has undertaken the avenue plantation all along the lease.	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir		Area is not mature for the purpose at present.	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation		The purple shale/ purple argillaceous limestone. area is not useful for cement manufacturing as such plantation has been done by lessee over the area .	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)		The avenue plantation has been done . About 16 hectare area is under plantation at present.	
6p	Compliance of environmental monitoring (core zone and buffer zone)		Air water and noise Monitoring done as proposed and the monitoring reports are within the parameters .	

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	The avenue planatation ahs been done in the area with good survival rate. The action need to be taken for making the benches in pit-1 mature for plantation/ rehabilitation.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM was proposed to be used.	2017-18 = 15,72,351 T. Entire ROM is used as such.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No sorting proposed	Sorting is not required in this instance.	
7c	Different grade of mineral sorted out at mines.	Only cement grade was proposed to be mined	Single grade is produced for the prupose.	
7d	Any beneficiation process at mines	No proposal	No proposal required at present for the purpose.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		The low grade of mineral of this mine is not useable as the lessee is mnixing the limestone produced from this area with low grade limestone produced by it from the adjacent mine i.e, Yepalmadhavaram Limestone Mine.	

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	Nil	meagre generation that too very rarely from the crevices fo the joint and is used for planatation

8b	Concurrent use or storage of topsoil	NA	Nil	meagre quantity whatsoever generated from the crevices of joints, if recoverable is used for plantation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)		Not Applicable.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Area is not mature for the reclamation rehabilitation of the pits.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		About 16 hectare of the area is under plantation.	It was proposed to undertake plantation by planting 1480 saplings over 0.74 hectare land whereas you have planted 1000 saplings only in the year . Violation issued.
8g	Survival rate		about 70-80% survival.	
8h	Water sprinkling on roads to control airborne dust		Being undertaken regularly.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		The avenue plantation has been done nicely in the area.	

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Annual returns submitted for the year 2017-18. Monthly returns submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Ming Engineer and geologist appointed as per rule	Mining Engineer and Geologist appointed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		The information furnished is broadly as per the submission in Annual return	
9d	Scrutiny of Annual return on afforestation		The afforestation reported is as per the observation.	The plantation undertaken is less than proposal
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject generation reported	No reject generation observed	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Production of ROM reported and found to be as 1614838 T as per the production register.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Mineral is being used for captive purpose only and the Cost of production is reported as Rs 214.36 PMT .	
9h	Scrutiny of Annual return on fixed assets		Information furnished in the return.	
9k	Scrutiny of Annual return on mining machineries	the machinery information furnished for mechanised operation.	Machinery deployed as submitted in the returns for mechanised operations	

**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
MCDR17	Rule 11(1)	12/02/2019			

**Date :**

**(MANISH K. MAINDIRATTA)**

Indian Bureau of Mines