

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : TS/LST-87/HYD

Mine code : 38TNG08002

- (i) Name of the Inspecting : **M029**) **MADHU SUDHAN YADAV M**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri.Appala Raju, Mine Manager & Mining Engineer, Sri.
Official with
Designation
- (iv) Date of Inspection : 09/10/2020
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHOUTUPALLI (386.37 HA)**
- (b) **Registration NO.** : **IBM/6908/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : **TELANGANA**
- District : **NALGONDA**
- Village : **CHOUTAPALLI & MELLAC**
- Taluka : **MELLACHERUVU**
- Post office : **MELLACHERUVU**
- Pin Code : **508246**
- FAX No. :
- E-mail : **VIJAYCHAKUNDE@MYHOMEGROUP.:**
- Phone : **8096508090**
- (f) Police Station : **MELLACHERUVU**
- (g) First opening date : **22/02/2018**
- (h) Weekly day of rest : **SUN**
2. Address for : **M/S MY HOME INDUSTRIES PVT LIMITED**
correspondance : **MELLACHERUVU VILLAGE**
SURYAPET DISTRICT-508246,TELANGANA STATE
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 : MY HOME INDUSTRIES LTD
SRINAGAR MELLACHERVU
VILLAGE& MANDAL NALGONDA
NALGONDA TELANGANA
Phone:08683226354
FAX :08683226354

6. Date of approval of Mining
Plan/Scheme of Mining

: MP modif under 17(3) MCR 2016

27/11/2019

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Core boreholes - 13 Nos. (585mts)	Core boreholes - 11 Nos. (346 mts) DTH - 09 Nos. (636 mts)	
1b	Exploration over lease area for geological axis 1 or 2	Proposed	Entire area of 156.586 Ha has been covered under G1 Level of exploration.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Total expenditure incurred for exploration for drilling, sampling and chemical analysis is around Rs.93,60,666/- . (Reported by lessee)	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	Resources and Reserves as on 01/07/2020 - 136.39 million Tonnes	Reserves - 94.92 million Tonnes Resources - 41.47 million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Entire lease area of 156.586 Ha has been covered under G1 Level of exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Topsoil removal of 25962 cu.m was proposed	Topsoil of 18111 cu.m was removed in the proposed area.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate bench in mineral and topsoil is proposed	Topsoil and mineral bench developed seperately	
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	
2d	Quantity of topsoil generation in m3	2019-20 - 25962 cu.m	2019-20 - 18111 cu.m	

2e	Quantity of overburden generation in m3	No proposal	Nil	No overburden is generated in the lease area whereas 25356 Te of OB is reported in the annual returns (2019-20). Violation letter issued as per rule.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Topsoil bench of around 1m is developed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2019-20 - 775000 Te	2019-20 - 487360 Te	Lessee has reported that less production due to less market demand.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	Not applicable	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Nil	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil
3j	Provision of drilling and blasting in mineral benches	Drilling : Wagon Drill Machine-115 mm dia Balsting : Slurry explosive - 83mm dia	The conventional drilling-blasting & opencast mechanized mining method is practiced during exploitation of limestone. Ammonium nitrate based slurry explosives in cartridge of 83mm dia are being used for blasting of deep holes of 115mm dia.
3k	Provision of mining machineries in mineral benches	Excavator (1.8 cu.m) - 2 Dumper (25 Te) - 6 Compressor - 1 Wagon drill - 1 Rock breaker - 1	Excavator (1.8 cu.m) - 2 Dumper (25 Te) - 7 Compressor - 1 Wagon drill - 1
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed	Digging height of the excavator is compatible for proposed bench height fo 7m.
3m	Total area covered under excavation/pits	15.8 Ha	9.63 Ha
3n	Ore to OB ratio for the pit/mine during the year.	No proposal	Nil
3o	Total area put in use under different heads at the end of year	Under mining - 15.80 Ha Waste dump - 3.35 Ha Subgrade dump - 3.35 Ha Infrastructure & roads - 1.31 Ha Green belt - 2.96 Ha	Under mining - 9.63 Ha Infrastructure & roads - 0.22 Ha Green belt -1.53 Ha

3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 500088 Te 2019-20 - 775000 Te 2020-21 - 1000000 Te	2018-19 - 500088 Te 2019-20 - 775000 Te 2020-21 - 507394 Te (upto Sept'20)	Mine was opened on 22/02/2018.
3q	General remarks of inspecting officers on method of mining etc.			Only 1st bench is developed by deploying HEMM.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal	Nil	
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Nil	
4c	Number of dumps within lease area and outside of lease area	Top soil and sub-grade dumps are proposed in the North end of the lease	Nil	Top soil generated is utilised for greenbelt development in the buffer zone and no sub-grade/mineral rejects are generated.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	

4k	Specific comments of inspecting officer on waste dump management	No overburden and mineral rejects are generated in the lease.
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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.	No proposal	Nil	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The pit is not mined out upto its ultimate pit limit to start 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).	To be submitted as per rule	Submitted as per rule	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	0.84 Ha	0.85 Ha	

6d	No. of saplings planted during the year	932 Nos.	935 Nos.
6e	Cumulative no .of plants	1400 Nos.	1403 Nos.
6f	Any other method of rehabilitation	No proposal	Nil
6g	Cost incurred on watch and care during the year	No proposal	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal	Nil

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly environmental monitoring of core and buffer zone.	Quarterly environmental monitoring carried out during 2019-20.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Environment monitoring has been carried out during 2019-20 and all the parameters are within the permitted limits.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	
7d	Any beneficiation process at mines .	No proposal	Nil	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No sub grade has been generated. Beneficiation is not required as the entire ROM mineral is utilised for captive plant.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	2019- 20 - 25962 cu.m	2019-20 - 18111 cu.m	Utilised for greenbelt development.
8b	Concurrent use or storage of topsoil	Proposed	Utilised for greenbelt development.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	No OB, mineral rejects dumps.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Cumulative plantation till 2019-20 - 1400 Nos.	Cumulative plantation till 2019-20 - 1403 Nos.	
8g	Survival rate	90%	95%	

8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling system is provided along the haulroad upto crusher and water tanker also available for dust suppression in benches.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation is carried out along the buffer zone of the lease area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted	Submitted in time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer -1 Geologist -1 Manager - 1	Mining Engineer & Manager -Shri. M.Appala Raju Geologist-Shri. A.Naga Rajesh	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Under mining - 9.63 Ha Infrastructure & roads - 0.22 Ha Green belt - 1.53 Ha	Same as submitted	
9d	Scrutiny of Annual return on afforestation	936 Nos.	Broadly as submission.	
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.200.73/-	Rs.200.73/-	

9h Scrutiny of Rs.117449978/- ---
Annual return on
fixed assets

9k Scrutiny of Excavator (1.8 cu.m) - 2
Annual return on cu.m) - 2 Dumper (25 Te) - 7
mining Dumper (25 Te) Compressor - 1
machineries - 7 Wagon drill - 1
Compressor - 1
Wagon drill -
1

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 45(7) (a)	10/11/2020				

Date :

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines