

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

MCDR inspection REPORT

Hyderabad regional office

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

Mine code : 38APR14043

- (i) Name of the Inspecting : **M029**) **MADHU SUDHAN YADAV M**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri.K.Srinivas Rao, Agent (Mines), Sri. Appalla Raju,
Official with
Designation
- (iv) Date of Inspection : 10/10/2020
- (v) Prev.inspection date : 08/11/2019

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 : **MELLACHERUVU**
- (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 : CHANDRASEKHAR PANDEY
 M/s Sree Jayajothi Cements
 Pvt Ltd Madhapur Hyderabad
 NALGONDA ANDHRA PRADESH
 Phone: 40-6629797
 FAX :

Agent : K SRINIVASA RAO
 MY HOME INDUSTRIES LIMITED
 MELLACHERUVU MANDAL &
 VILLAGE SURYAPET DISTRICT
 NALGONDA TELANGANA
 Phone: 08683-226354
 FAX :

Manager

Name : M APPALA RAJU
 Qualification :
 Appointment/ : 01/02/2019
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	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
	:	MP modif under 17(3) MCR 2016	19/12/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	
1b	Exploration over lease area for geological axis 1 or 2	2019-20: Core boreholes - 05 Nos. DTH boreholes - 14 Nos.	2019-20: Core boreholes - 05 Nos. - 55m. DTH boreholes - 14 Nos. - 180m.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	----	Lessee has reported that Rs. 6916240/- cost incurred for exploration, sampling and analysis for 116 holes drilled in the mining lease area.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	---	Entire lease area of 262.247 Ha has been explored under G1 level.	
1e	Balance reserve as on 01/04/20	---	Balance Reserves as on 01/04/2020- 53.829 million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Entire lease area has been explored under G1 level.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	S 131.72 - E 191.35 S 718.34 - E 1154.23	Work done within the proposed co-ordinates.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Mineral Bench - 02 Nos. Topsoil Bench - 01 No.	Mineral Bench - 02 Nos. of 9m height Topsoil Bench - 01 No. of 2 mts height	
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	
2d	Quantity of topsoil generation in m3	2019-20 - 120150 cu.m/180226 Te	2019-20 - 93474 cu.m/130864 Te	

2e	Quantity of overburden generation in m3	No proposal	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No overburden is generated in the mine, whereas 130864 Te of overburden removal is reported in the Annual Returns (2019-20). Violation issued as per rule.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	1820000 Te	1057819 Te	
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 and blating is proposed	Blast hole dia of 115mm with 10 mts depth is drilled and blasting is carried out using 80% ANFO as coloumn charge and 20% of slurry explosive as booster charge.
3k	Provision of mining machineries in mineral benches	Excavator (2.5cu.m) - 2 Nos. Dumper (25Te) - 7 Nos. Crawler drill - 1 No. Compressor - 1 No.	Excavator (2.5cu.m) - 3 Nos. Dumper (25Te) - 10 Nos. Crawler drill - 1 No. Compressor - 1 No.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal	Digging height of the excavator is compatible for proposed bench height fo 9m.
3m	Total area covered under excavation/pits	103.67 Ha	86.74 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	Openpit - 103.67 Ha Top soil storage - 13.4022 Ha Infrastructure - 0.7548 Ha Raods - 3.6185 Ha Greenbelt - 10.32 Ha	Openpit - 86.74 Ha Top soil storage - 7.695 Ha Infrastructure & Roads - 4.373 Ha Greenbelt - 9.33 Ha

3p	Production of ROM mineral during the last five year period as applicable	2015-16-1.82 million tonnes 2016-17-1.82 million tonnes 2017-18-1.82million tonnes 2018-19- 1.82 million tonnes 2019-20 - 1.82 million tonnes	2015-16-1.59 million tonnes 2016-17-1.16 million tonnes 2017-18-1.73 million tonnes 2018-19-1.67 million tonnes 2019-20 - 1.057 million tonnes
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3q	General remarks of inspecting officers on method of mining etc.	The mining operations are being carried out as per the proposals made in the approved document.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Topsoil dump is proposed	Topsoil soil dump is maintained separately	
4b	Location of topsoil, OB and mineral reject dumps	Top soil dump proposed in the North western side of the lease area.	Topsoil generated is partially utilised for plantation and remaining quantity dumped in the proposed area.	
4c	Number of dumps within lease area and outside of lease area	04 dumps proposed within the lease area	04 dumps maintained within the lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump proposed outside UPL	Dump maintained outside UPL	
4e	Number of active and alive dumps.	04	04	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	04	04	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	Retaining bund and garland drain is maintained.	

4i	Length of Retaining wall or garland drain all along dumps	Nil	Retaining bund and garland drain along the dump is maintained.	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			Dumps are located at non mineralised area outside the UPL.

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)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			In the year 2019-20, no reclamation work is carried out in the mine, whereas area reclaimed of 0.77 Ha is reported in the land utilisation details in the Annual Returns (2019-20). Violation issued as per rule.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be submitted as per rule	Submitted.
6b	Area available for rehabilitation (ha) .	No proposal	Nil
6c	afforestation done (ha).	0.25 Ha	0.26 Ha
6d	No. of saplings planted during the year	250 Nos.	272 Nos.
6e	Cumulative no .of plants	---	8254 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 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	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2019- 20 - 1.82 million Tonnes	2019-20 - 1.0578 million Tonnes	Lessee has reported that less production due to less market demand.
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.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It was proposed to utilise the topsoil generated for plantation purpose and storage in the topsoil dumps	It was observed that the topsoil generated is partially used for plantation purpose and remaining quantity stacked in the top soil dumps.	
8b	Concurrent use or storage of topsoil	It was proposed to utilise the topsoil generated for plantation purpose and storage in the topsoil dumps	It was observed that the topsoil generated is partially used for plantation purpose and remaining quantity stacked in the top soil dumps.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	
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)	---	Few bushes, shrubs were observed in addition to the plantation made by the lessee.	
8g	Survival rate	No proposal	90%	
8h	Water sprinkling on roads to control airborne dust	It was proposed to use water sprinklers for dust suppression in the lease.	The same was noticed during the inspection.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The general aesthetic beauty is satisfactory in nature.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual returns and monthly returns to be submitted as per rule.	Annual and monthly returns submitted in time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer -1 Geologist -1 Manager - 1	As per the Annual return 2019-20. Sri M Appala Raju is Mines Manager & Mining Engineer and Sri Nagur Meera Saheb as Geologist	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Openpit - 86.74 Ha Top soil storage - 7.695 Ha Infrastructure & Roads - 4.373 Ha Greenbelt - 9.33 Ha	Same as submitted.
9d	Scrutiny of Annual return on afforestation	272 Nos.	Broadly as submission and same quantity is verified in afforestation register maintained.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	No mineral reject generated in the mine
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.210.76/-	Rs.210.76/-
9h	Scrutiny of Annual return on fixed assets	Rs.121218129/-	----
9k	Scrutiny of Annual return on mining machineries	Excavator (2.5cu.m) - 3 Nos. Dumper (25Te) - 10 Nos. Crawler drill - 1 No. Compressor - 1 No.	Excavator (2.5cu.m) - 3 Nos. Dumper (25Te) - 10 Nos. Crawler drill - 1 No. Compressor - 1 No.

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)	11/11/2020				

Date :

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines