

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/NLG/LST-22/HYD

Mine code : 38APR14021

- (i) Name of the Inspecting : **M029**) **MADHU SUDHAN YADAV M**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri.Srinivas Reddy, Agent & Sri. Tata Reddy, Mine Man
Official with
Designation
- (iv) Date of Inspection : 15/12/2020
- (v) Prev.inspection date : 12/02/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GREY GOLD**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : **TELANGANA**
District : **NALGONDA**
Village : **MATTAMPALLI**
Taluka : **HUZUR NAGAR**
Post office : **MATTAMPALLI**
Pin Code : **508225**
FAX No. :
E-mail :
Phone : **0868367060,0868367061**
- (f) Police Station : **MATTAMPALLY**
- (g) First opening date : **22/06/1994**
- (h) Weekly day of rest : **SUN**
2. Address for : **MATTAMPALLY VILLAGE & P.O**
correspondance : **NALGONDA DISTRICT**
3. (a) Lease Number : **APR1557**
- (b) Lease area : **121.45**
- (c) Period of lease : **20**
- (d) Date of Expiry : **25/06/2025**
4. Mineral worked : **LIMESTONE** Main

5. Name and Address of the

Lessee : M/S GREY GOLD CEMENTS
 H.NO.6-3-655/6/B 2ND FLOOR
 SOMAJI GUDA HYDERABAD
 TELANGANA
 Phone:339666,3396663,3396335
 FAX :

Owner : S.ARAVIND REDDY
 6/3/6556/B 2ND FLOOR
 SOMAGIGUDA NALGONDA
 TELANGANA
 Phone: 3396663,3392085
 FAX :

Agent : B ANWAR BASHA
 GREY GOLD CEMENTS
 MATTAMPALLI NALGONDA DIST.
 NALGONDA TELANGANA
 Phone:
 FAX :

Manager

Name : G.TATA REDDY
 Qualification : DIPLOMA IN MINING ENGINEER
 Appointment/
 Termination date :

6. Date of approval of Mining Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	22/04/2003
		Renewal under rule 22 MCR1960	23/12/2004
		Mining Scheme rule 12 MCDR1988	28/06/2010
		MP modif under MCR 1960	27/08/2015
		MP review under 17(1) MCR 2016	06/07/2020

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2018-19 - 05 Nos. 2019-20 - 06 Nos.	2018-19 - 05 Nos. 2019-20 - 06 Nos.	Exploration done as per proposal. Core and borehole records are being maintained.
1b	Exploration over lease area for geological axis 1 or 2	---	G1 - 56.10 Ha G2 - 45.52 Ha G3 - 19.83 Ha	Balance 65.35 Ha to be explored under G1 level of exploration. Exploration proposed in the year 2023-24 & 2024-25 for the balance area.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	---	Exploration Agency - Rock Engineering core drillers, Hyderabad. Expenditure - Rs.17,53,975/- (For drilling, sampling and analysis)	
1d	Balance area to be explored to bring Geological axis in 1 or 2	----	Balance 65.35 Ha to be explored under G1 level of exploration. Exploration proposed in the year 2023-24 & 2024-25 for the balance area.	
1e	Balance reserve as on 01/04/20	----	Proved Reserves as on 01/12/2020 - 9.6 million tonnes.	
1f	General remarks of inspecting officers on geology, exploration etc			The strike of the Limestone varies between EW to NNESSW with dips 5 to 20 degrees. The different type of Limestone found in this area are Light and dark Grey Limestone, Variegated Limestone.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	N1853923 - 1854092 E370373 - 380294	Work done within the proposed co-ordinates.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Only mineral benches proposed.	Benches developed in mineral only.	
2c	Stripping ratio or ore to OB ratio	1:0.02	1:0	No OB generated during the year 2019-20.
2d	Quantity of topsoil generation in m3	No proposal	Nil	
2e	Quantity of overburden generation in m3	2019-20 - 462 cu.m	2019-20 - Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		No OB is generated in the mining area.	

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 - 113878 Te 2020-21 - 72506 Te	2019-20 - 51800 Te 2020-21 - 45700 Te	Lessee has reported that less production due to less market demand.
3c	Recovery of sailable/usable mineral from ROM production	99.5%	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	
3j	Provision of drilling and blasting in mineral benches	Drilling and blasting is proposed in the mineral benches.	During inspection it was observed that Wagon drill being used for drilling with a blast hole dia of 100 mm & depth of 5 m, spacing of 2 meters and burden of 2 meters. Blasting with ANFO and slurry explosives with NONELS as initiating system.	
3k	Provision of mining machineries in mineral benches	It was proposed to use wagon drills, exvators & dumpers for drilling, loading & transporting of ore to crushing plant.	Drilling machine - 1 No. Excavator - 1 No. Tippers (10 Te)- 3 Nos.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain the bench height of 5 meters	During inspection it was noticed that the bench height is being maintained between 5 m and digging height of the excavators are compatible with bench height.	
3m	Total area covered under excavation/pits	19.13 Ha	14.613 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.02	1:0	No OB generated during the year 2019-20.
3o	Total area put in use under different heads at the end of year	24.18 Ha	19.53 Ha	

3p	Production of ROM mineral during the last five year period as applicable	2015- 16 - 1,13,966 Te, 2016-17- 114078 Te, 2017-18-113940 Te 2018-19 - 113915 Te 2019-20 - 113878 Te 2020-21 - 72506 Te	2015- 16-1,13,900 Te 2016-17- 108900 Te 2017-18 - 89700 Te 2018-19 - 58700 Te 2019-20 - 51800 Te 2020-21 - 45700 Te
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3q	General remarks of inspecting officers on method of mining etc.	The interstitial clay is not separable from ROM and there is no OB in the area proposed for mining.
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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)	No proposal for dumping topsoil, OB and mineral rejects.	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Not applicable	Nil	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil	No waste dump existing in the lease area.

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 waste dump exists within the lease area and also there is no waste generation during mining.

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 in time	Submitted in time	

6b	Area available for rehabilitation (ha) .	No proposal	Nil
6c	afforestation done (ha).	0.1875 Ha	0.2 Ha
6d	No. of saplings planted during the year	2019- 20 - 500 Nos.	2019-20 - 764 Nos.
6f	Any other method of rehabilitation	No proposal	Nil
6g	Cost incurred on watch and care during the year	Rs. 600000/-	Rs.730000/-
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 not carried out during the year 2020-21. Violation issued as per rule.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No environmental monitoring done for the year 2020-21. Violation issued as per rule.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2019-20 - 113878 Te	2019-20 - 51800 Te produced and 52750 Te despatched.	
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)	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
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)	From 2015-16 to 2019-20 it was proposed to plant 2500 nos of plants	From 2015-16 to 2019-20 - 4256 Nos. of saplings planted.	
8g	Survival rate	80%	75%	

8h	Water sprinkling on roads to control airborne dust	Water Tankers to be provided for dust suppression.	Water tanker is provided for dust suppression.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Bush type vegetation found to exists within the Lease area and agricultural field exists surrounding the lease area. Aesthetic beauty in and around the mines is not disturbed.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted in time	Submitted in time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - Sri. Tata Reddy Mining Engineer - Sri. Hima Vamshi Geologist - Sri. P.Ramesh	Manager, Mining Engineer and Geologist working as per submission.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/c Working - 14.613 Ha Roads & Infrastructure - 0.92 Ha Plantation - 4.0 Ha	Same as submitted.	
9d	Scrutiny of Annual return on afforestation	2019-20 - 764 Nos.	Broadly as per submission and same quantity is verified in afforestation register maintained.	
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	Cost per tonne - Rs.279.83/-	1. In the cost of tonne calculation, the DMF, NMET and overhead cost are not matching with the amount furnished in Part-III, Sl.No. 5 & 6. 2. Depreciation is not considered in the cost per tonne calculation.	Violation issued as per rule.
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets reported by the lessee in annual returns is Rs.9394110/-	----	
9k	Scrutiny of Annual return on mining machineries	Rock drill machine - 1 No. Air Compressor - 1 No. Tippers - 2 Nos. Excavator - 1 No.	Machineries found in the mining area.	

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)	04/01/2021			
	Rule 45(7)	04/01/2021			

Date :

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines