

**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 : 03-JAN-23
- (v) Prev.inspection date : 13-NOV-21

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GREY GOLD**
- (b) **Registration NO.** : **IBM/6664/2011**
- (c) Category : A Mechanised
- (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 : **mines@greygoldcements.com**
- Phone : **08683-247061, 247323**
- (f) Police Station : **MATTAMPALLY**
- (g) First opening date : **22-JUN-94**
- (h) Weekly day of rest : **SUN**
2. Address for : **M/S GREYGOLD CEMENTS LIMITED**
correspondance : **MATTAMPALLY VILLAGE AND MANDAL**
SURYAPET DISTRICT-508204
3. (a) Lease Number : **APR1557**
- (b) Lease area : **121.45**
- (c) Period of lease : **50**
- (d) Date of Expiry : **25-JUN-25**
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 : M SRINIVAS REDDY
 GREY GOLD CEMENTS
 MATTAMPALLI SURYAPET
 DISTRICT TELANGANA STATE
 NALGONDA TELANGANA
 Phone:
 FAX :

Mining Engineer

Name : M SRAVANTH, Full Time
 Qualification : B TECH MINING
 Appointment/ :
 Termination date

Geologist

Name : P RAMESH, Full Time
 Qualification : MSC GEOLOGY
 Appointment/ :
 Termination date

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-APR-03
		Renewal under rule 22 MCR1960	23-DEC-04
		Mining Scheme rule 12 MCDR1988	28-JUN-10
		MP modif under MCR 1960	27-AUG-15
		MP review under 17(1) MCR 2016	06-JUL-20

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	No proposal	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Proposed to convert balance area of G2-45.52 Ha & G3-19.83 Ha to be converted into G1 level of exploration in 2023-24 & 2024-25.	Balance area of G2-45.52 Ha & G3-19.83 Ha to be converted into G1 level of exploration. Lessee has submitted Form-I (Notice of commencement of drilling) on 10-01-2023 to drill the proposed boreholes.	
1e	Balance reserve as on 01/04/20	----	Proved Mineral Reserves as on 01/04/2022 - 9.527 million tonnes (111) & 12.717 million tonnes (122)	
1f	General remarks of inspecting officers on geology, exploration etc			Balance area of G2-45.52 Ha & G3-19.83 Ha to be converted into G1 level of exploration. Lessee has submitted Form-I (Notice of commencement of drilling) on 10-01-2023 to drill the proposed boreholes.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Pit 1: E380000-380200 & N1853800-1854200 Pit 2: E380200-380600 & N1854400-1854800	Work done within the proposed co-ordinates	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No topsoil and overburden benches proposed, only mineral benches proposed	Only mineral benches proposed	
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	
2d	Quantity of topsoil generation in m3	No proposal	Nil	
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			Development being done as per proposal, No topsoil generation found in the developed area.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits	Two pits	
3b	Quantity of ROM mineral production proposed	2021-22 - 73700 Tonnes	2021-22 - 60400 Tonnes	
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 blasting is proposed in the mineral benches.	Drilling and blasting carried out as per proposal
3k	Provision of mining machineries in mineral benches	It was proposed to use excavators & dumpers for loading & transporting of ore to crushing plant.	During inspection, It was observed that tippers & excavators are being used for loading & transportation of ore to crushing plant
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	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	17.043 Ha	15.583 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	Open pit - 17.043 Ha Plantation - 4.0 Ha	Open pit - 15.583 Ha Plantation - 3.4 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 113940 Tonnes 2018-19 - 113915 Tonnes 2019-20 - 113878 Tonnes 2020-21 - 72600 Tonnes 2021-22 - 73700 Tonnes	2017-18 - 113940 Tonnes 2018-19 - 113915 Tonnes 2019-20 - 113878 Tonnes 2020-21 - 72600 Tonnes 2021-22 - 60400 Tonnes	
3q	General remarks of inspecting officers on method of mining etc.			Mining operations are being carried out by using HEMM machineries.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	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	No proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	
4e	Number of active and alive dumps.	No proposal	Nil	
4f	Number of dead dumps.	No proposal	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 OB is generated in the mining area and the topsoil is scrapped and utilised for plantation.

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 as per rule.	

6b	Area available for rehabilitation (ha) .	No proposal	Nil
6c	afforestation done (ha).	2021-22 - 0.2 Ha	2021-22 - 0.2 Ha
6d	No. of saplings planted during the year	2021-22 - 400 Nos.	2021-22 - 510 Nos.
6f	Any other method of rehabilitation	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 2021-22 and all the parameters are within the permissible limit.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No area of pit has reached its ultimate pit limit to start Reclamation and Rehabilitation and backfilling activities.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM produced is to be despatched.	The entire ROM is being fed to crusher and then supplied to the plant for manufacturing for Cement.	
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)	Topsoil generated to be utilised for plantation	Topsoil generated are being used for plantation	
8b	Concurrent use or storage of topsoil	For planation purposed	Used for plantation	
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)	510 Nos. of plantation in 0.2 Ha of area.	510 Nos. of plantation in 0.2 Ha of area.	
8g	Survival rate	80%	80%	

8h	Water sprinkling on roads to control airborne dust	Proposed to sprinkle water on haul roads by water tanker for dust suppression	Water tankers used for dust suppression.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantation is being carried out in and around the mine to improve aesthetic beauty.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly return and annual return to be submitted	Annual and Monthly returns submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - Sri. Tata Reddy Mining Engineer - Sri.N. Asiraiah Geologist - Sri. P.Ramesh	Manager - Sri. Tata Reddy Mining Engineer - Sri. N. Asiraiah Geologist - Sri. P.Ramesh	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Open pit - 15.583 Ha Green belt - 3.4 Ha	Same as submission	
9d	Scrutiny of Annual return on afforestation	510 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	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock - 4820 Te Closing stock - 64000 Te	Opening stock - 4820 Te Closing stock - 64000 Te	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production reported as Rs.264.24/-	Rs.264.24/-
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets reported by the lessee in annual returns is Rs.7825269/-	Fixed assest could not be verified.
9k	Scrutiny of Annual return on mining machineries	Back hoe - 1No. Tippers - 2 Nos. Drill machine - 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

Date :

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines