

**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 : **RK13**) **A.V.Ramesh Kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Tata Reddy Mines manager
Official with
Designation
- (iv) Date of Inspection : 13/11/2021
- (v) Prev.inspection date : 15/12/2020

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 : **22/06/1994**
- (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 : **25/06/2025**
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 : 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	22/04/2003
		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	No exploration programme was proposed during the year 2020-21.	No exploration was carried out during the year 2020-21	No exploration was proposed nor carried out during the year 2020-21.
1b	Exploration over lease area for geological axis 1 or 2	No exploration programme was proposed during the year 2020-21.	The area covered under G1 level of exploration was 56.15 ha and G2 level was 42.11 ha.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No exploration programme proposed during 2020-21	No expenditure occurred under the exploration head as no exploration was carried out.	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	There was no proposal by the lessee to explore the area under G2 level to upgrade to G1 level during the years 2020-21 and 2021-2022.	No exploration was carried out by lessee during the year 2020-21.	None
1e	Balance reserve as on 01/04/20	-----	The reserves as on 1.4.2021 are 22.37 Million tonnes	No comments to offer.
1f	General remarks of inspecting officers on geology, exploration etc	----	As there was no proposal for exploration, no exploration was carried out.	No exploration was proposed nor carried out.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	It is proposed to work in two pits.One pit on Southern part of the lease i.e. pit no.1 on South Eastern side and another pit in North Eastern pit i.e. pit no.2.	During the inspection it was observed that excavation was carried out as proposed from two pits.	No deviation in the working proposal as proposed in the Mining plan document
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	As there is no overburden, it was proposed to develop two benches in the ore.	Development is being done as proposed.	No deviation from the proposals made in the approved mining plan document.
2c	Stripping ratio or ore to OB ratio	As there is no Overburden, the stripping ratio is nil	None	No comments to offer
2d	Quantity of topsoil generation in m3	As there is no topsoil in the lease. no proposal was made for generation of the same.	No topsoil was generated during the year 2020-21.	No topsoil was generated during the year 2020-21.
2e	Quantity of overburden generation in m3	As there is no overburden, no proposal was made for handling overburden.	No overburden generation was reported during the year 2020-21	No remarks to offer.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	----	The development of the pits is being done as proposed.	The development of pits being done as proposed.Further, as there is no topsoil or overburden,no generation of the same was reported.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	It is proposed to work in two pits. One pit on Southern part of the lease i.e. pit no.1 and another pit in North Eastern pit i.e. pit no.2. In pit no.1, the production is proposed from RL 76 M to 72 M and from Pit no.2 from RL 85 to 80.	The production is being done as proposed.	There is no deviation from the proposed location.
3b	Quantity of ROM mineral production proposed	It was proposed to produce 72600 tonnes during the year 2020-21.	The actual production reported was 68,500 tonnes during the year 2020-21.	There is no deviation from the proposed quantity of production.
3c	Recovery of sailable/usable mineral from ROM production	It was proposed to consume total ROM in the cement plant of the lessee.	During the inspection it was noticed that the entire ROM being consumed in the captive cement plant of the lessee.	No remarks to offer.
3d	Quantity of mineral reject generation	No proposal was made as there are no mineral rejects.	No mineral reject generation was reported during the year 2020-21.	No remarks to offer.
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable as there is no mineral reject generation.	None	No remarks to offer.
3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	There is no proposal for segregation of ROM	No segregation of ROM was noticed during the inspection.	The entire ROM being consumed in the cement plant of the lessee.

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	None	No remarks to offer.
3j	Provision of drilling and blasting in mineral benches	It was proposed to carry out deep hole drilling and blasting by using Nonel and Ammonium nitrate.	The drilling and blasting operations being carried out as proposed.	No remarks to offer.
3k	Provision of mining machineries in mineral benches	It was proposed to carry out excavation and transportation by by using Back hoe and tippers.	The same was observed during the inspection.	No remarks to offer.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to main tain a height of 5-6 meters.	The same was observed during the inspection.	No remarks to offer.
3m	Total area covered under excavation/pits	---	The total area covered under pits is 15.097 ha	No remarks to offer.
3n	Ore to OB ratio for the pit/mine during the year.	As there is no over burden, it is not applicable	None	No remarks to offer.
3o	Total area put in use under different heads at the end of year	---	The area under pits is 15.097 ha and infrastructure is 0.920 ha	No remarks to offer.
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 1,14,078 tonnes 2017-18 - 1,13,940 tonnes 2018-19 - 1,13,915 tonnes 2019-20 - 1,13,878 tonnes 2020-21 - 72600 tonnes	2016-17 -1,08,900 tonnes 2017-18 -89,700 tonnes 2018-19 -58,700 tonnes 2019-20 - 51,800 tonnes 2020-21 - 65,800 tonnes	The quantity produced is within the proposed limits

3q	General remarks of inspecting officers on method of mining etc.	---	---	The over all mining operation are being carried out as proposed and production reported is within the approve proposals.
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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)	As there is no topsoil,overburden and mineral rejects, no proposal was made for handling the same.	During the year 2020-21, no generation of overburden,minweral reject and topsoil was reported.	No remarks to offer.
4b	Location of topsoil, OB and mineral reject dumps	Not Applicable	Not Applicable	None
4c	Number of dumps within lease area and outside of lease area	Not Applicable	Not Applicable	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Applicable	Not Applicable	None
4e	Number of active and alive dumps.	None	None	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	None	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4i	Length of Retaining wall or garland drain all along dumps	None	None	None
4j	Number of settling ponds	None	None	None

4k	Specific comments of inspecting officer on waste dump management	As there is no overburden, top soil or mineral rejects, no proposal was made to handle the same.	No topsoil, overburden or mineral reject was generated during the year 2020-21.	No remarks to offer.
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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.	As the are was not matured for reclamation, no reclamation was proposed during the year 2020-21.	No reclamation was carried out during the year 2020-21.	as no area was matured for reclamation, no reclamation was carried out during the year 2020-21.
5b	Area under backfilling of mined out area	No area proposed for backfilling during the year 2020-21	No area backfilled during the year 2020-21.	No remarks to offer.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	No concurrent use of topsoil was observed during the year 2020-21	No remarks to offer.
5d	Total area fully reclaimed and rehabilitated	Not applicable	No area was reclaimed till date	No remarks to offer.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	As no area was matured, no proposal was made for reclamation.	No reclamation was made during the year 2020-21.	As no area was matured, no reclamation was carried out.

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).	---	The Annual report on protective environment measures was submitted and found to be correct.	No remarks to offer.

6b	Area available for rehabilitation (ha) .	It was proposed to plant about. 400 no.s of saplings over an extent of 0.2 ha during the year 2020-21.	The proposed rehabilitation measure was carried out during the year 2020-21.	No remarks to offer.
6c	afforestation done (ha).	It was proposed to carry out plantation over an extent of 0.2 ha	Plantation carried out as proposed.	No remarks to offer.
6d	No. of saplings planted during the year	400 saplings proposed to be planted.	Plantation carried out as proposed.	No remarks to offer.
6e	Cumulative no .of plants	---	A total of 4740 no.s of saplings were planted.	No remarks to offer.
6f	Any other method of rehabilitation	No other rehabilitation method proposed.	No other rehabilitation measure adopted.	No remarks to offer.
6g	Cost incurred on watch and care during the year	---	It was reported by the lessee that an amount of Rs.1,10,000/- was incurred towards watch and ward.	No remarks to offer.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal was made for reclamation	No reclamation was carried out.	No remarks to offer.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	No remarks to offer.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	None	None	No remarks to offer.

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	No remarks to offer.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	None	None	No remarks to offer.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	None	None	No remarks to offer.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	None	None	No remarks to offer.
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring of environmental parameters.	During the inspection it was noticed that quarterly monitoring of the environmental parameters was carried out regularly as proposed.	The quarterly monitoring of environmental parameters carried out every quarter regularly.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	---	---	The over all measures for environmental protection are being take up regularly as proposed in the approved document. Afforestation and quarterly monitoring being done as proposed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to produce 72600 tonnes during the year 2020-21.	The actual production reported was 65,800 tonnes.	The produced quantity is less than the proposed production quantity.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	It was proposed to consume the entire ROM in the cement plant of lessee.	The entire ROM is consumed in the cement plant of the lessee.	No remarks to offer.
7c	Different grade of mineral sorted out at mines.	Not Applicable as the entire ROM is proposed to be consumed in the cement plant of lessee.	The entire ROM is consumed in the cement plant of lessee.	No remarks to offer.
7d	Any beneficiation process at mines	No beneficiation was proposed.	No beneficiation process was observed during the inspection.	No remarks to offer.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	It was proposed to produce 73,610 tonnes during the year 2020-21 and consume the same in the cement plant of the lessee.	the actual ROM reported during the year 2020-21 was 65,800 tonnes which was consumed in the cement plant of lessee.	the actual ROM is less than the proposed quantity for the year 2020-21.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal for removal and utilisation of topsoil during the year 2020-21	No topsoil was generated during the year 2020-21.	No remarks to offer.
8b	Concurrent use or storage of topsoil	Not Applicable as there is no proposal	No concurrent use or storage of topsoil was observed during the inspection.	No remarks to offer.

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	as there is no Overburden, top soil or rejects, no proposals were made to handle the same.	there is reporting of overburden, topsoil or mineral rejects during the year 2020-21.	No remarks to offer.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	No phased restoration and rehabilitation was observed during the inspection.	No remarks to offer.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	The lease area other than the area put to use, is found with bushy type of vegetation. A plantation proposal of 400 no.s was made during the year 2020-21	Other than the existing bushy type of vegetation, plantation made by the lessee was observed in the mining lease.	The lessee carried out the proposed plantation of 400 no.s during the year 2020-21.
8g	Survival rate	80%	80%	No remarks to offer.
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust generation by sprinkling water through water tanker.	The generation of dust during the mining operations being carried out by sprinkling water by using water tanker.	No remarks to offer.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-----	The overall aesthetic beauty in the mining lease is moderate on a scale of excellent/Moderate/poor.	No remarks to offer.

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	The lessee is submitting the Monthly and Annual returns regularly.	No remarks to offer.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return 2020-21, Sri M sravanth and Sri P Ramesh are employed as Mining Engineer and Geologist respectively.	The same was observed duiring the inspection.	Both the Mining Engineer and geologist employed in the mine.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	In the annual return 2020-21, it was mentioned that 15.097 ha under current workings and 0.920 ha by Infrastructure	The same was noticed duiring the inspection.	No remarks to offer.
9d	Scrutiny of Annual return on afforestation	In the Annual return it was reported that about 600 no.s were planted duirn the year 2020-21.	The same was observed duiring the inspection.	No remarks to offer.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	As there is no generation of mineral reject, no proposal was made for handling mineral reject.	No mineral reject was generated duiring the year 2020-21.	No remarks to offer.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The ROM reported duiring 2020-21 was 65800 tonnes.	The same was noted duiring the inspection.	No remarks to offer.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price reported in the Annual return for the year 2020-21 was Rs. 255.50/-	The same was confirmed duiring the inspection.	No remarks to offer.

9h	Scrutiny of Annual return on fixed assets	The value of fixed assets reported in the Annual return for the year 2020-21 was Rs.83 lakhs.	The same was not verified.	No remarks to offer.
9k	Scrutiny of Annual return on mining machineries	The Mining machinery reported in the annual return of 2020-21 is as follows: 1. Back Hoe - 1 no. 2. Tipper - 2 no.s 3. Air compressor - 1 no. 4. Rock drill - 1 no.	The same was noticed during the inspection.	No remarks to offer.

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

Date :

(A.V.Ramesh Kumar)

Indian Bureau of Mines