

Indian Bureau of Mines
Minerals Development and Regulation Division
MCDR Inspection Report
Hyderabad Regional Office.

Mine File MCDR-Misc/4/2023-Hyd

Mine Code: 38APR14021

1) Name of Inspecting officer:	Shri. M.K. Kalmata
2) Designation	Regional Mining Geologist
3) Accompanying mine official with designation	G.Tata Reddy, Mines Manager.
4) Date of Inspection	04-10-2024.
5) Date of Previous Inspection	03-01-2023

Part-I: General

S.No.	Particulars	Details
1	Name of the Mine	Greygold Limestone Mine.
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area: 121.45 Ha. Non Forest: 121.45Ha.(Govt.waste land)
3	Mine code	38 APR 14021
4	IBM Registration Number under rule 45 of	IBM/6664/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Greygold Cements Ltd., Plot-4, 2nd floor, 8-2-269/W/4, Road No-2, Womens Co-operative Society, Banjara Hills, Hyderabad,Telangana (State), Phone:-23392085/23396663, E-mail:-works@greygoldcements.com
6	Village	Mattampally
7	Taluka/Mandal	Mattampally
8	District	Suryapet
9	Pin code	508204
10	State	Telangana
11	Post office	Mattampally
12	Nearest police station	Mattampally
13	Nearest Railway station	Mattampally
14	Date of Grant of Mining Lease	21.06.1985
15	Date of Execution	26.06.1985
16	Period	20, years, 25.06.2025, Extension of Mining lease period up to 50 years as per section 8A of MMDR Act 1957 Amended up to 28-03-2021 is under process.

17	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri.S Arvind Reddy, Managing Director, Plot-4, 2nd floor, 8-2-269/W/4, Road No-2, Womens Co-operative Society, Banjara Hills, Hyderabad,Telangana (State), Phone:- 23392085/23396663, E-mail:-arvindsudini@yahoo.com
18	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri. S. Srinivasa Reddy Date: 01.06.2017 M/s. Greygold Cements Ltd, Mattapally (V), Mattampally (M), Suryapeta – 508204 Phone: 9866896834 Email: works@greygoldcements.com
19	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines, qualification	Sri. G. Tata Reddy, Mines Manager Date: 21.01.2019 Email: mines@greygoldcements.com
20	Name of the Mining Engineer & Geologist, Qualification and date of appointment in mine,	1. Sri. G. Tata Reddy,, Mining Engineer,(AMIE Mining) Date: 21.01.2019 2.Mr. G.Guruswamy, Geologist(M.Sc. Geology) Date: 27.02.2024
21	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Review of Mining plan AP/NLG/MP/Lst/35/Hyd, Dated 06-07-2020 for the block period 2020-21 to 2024-25.
22	Name of the Mineral	Limestone
23	Method of Mining(Opencast, Underground)	Opencast
24	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
25	Captive/Non Captive	Captive

PART-II**Exploration :**

Sl. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	There was a proposal to drill 08 exploratory boreholes in the present five year block period.(04 in the year 2023-24 & 04 during the year 2024-25.	Lessee has drilled 08 exploratory bore holes in the present five year block period.	Drilled 05 boreholes during the year 2022-23 and 03 in the year 2023-24.
1b	Exploration over lease area for geological axis 1 or 2	Proposal was given to convert G-2 and G-3 level to G-1 level.	Converted G-2 and G-3 level exploration to G-1 Level.	About 65 ha is converted into G-1 level in the present plan period. Up to previous plan period 56.45Ha was explored under G-1 level. Total lease area is 121.45Ha and entire lease area is explored under G-1 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Name of the Exploration agency and proposed expenditure was not given in the RMP approved for the block period	In the present plan period Total 08 boreholes were drilled. The said exploration is carried out by M/s NRDCS, Hyderabad and expenditure incurred Rs 411725.	Total expenditure incurred so far is Rs 2206449 for 41 boreholes to a total depth of 826 mtrs.

1d	Balance area to be explored to bring Geological axis in 1 or 2	Propose to explore about 65Ha under the G-1 level.	Converted about 65 Ha of G-2 and G-3 level explored area into G-1 level in the present five years block period.	Total lease area is 121.45Ha and entire lease area is explored under G-1 level.
1e	Balance reserves as on 01/04/2017	The details of Reserves/resources as per the approved document dated 06-07-2020 is as follows.(as on 20.02.2020) (In million tonnes) Proved M Reserves (111) 9.653 Probable M Reserves (121 &122) 12.717 Pre-feasibility M Resources (221/222) 3.718, Inferred M Resources (333) 2.3 Total:-28.388	Based on the exploration carried out lessee has re-assessed the Reserves/resources and details are as follows (As on 01.09.2023) (In million tonnes) Proved M Reserves (111) 45.468, Feasibility M Resources (221) 5.675. Total:-51.143.	The details of reserves/resources furnished are as per the Geological report submitted to this office after completion of Exploration.

1f	General remarks of inspecting officers on geology, exploration etc.		The area comprises of Narji Limestone of Kurnool Group and which is equivalent lower Vindhya's i.e Semri series. The main rock types are Limestone, Shale and Quartzite belonging to Narji Formation of Kurnool Group. The strike of the formation is E-W to NNE to SSW and dip 5 to 20 degree towards South-east.	Total lease area is 121.45Ha and entire lease area is explored under G-1 level by drilling 41 exploratory boreholes to a total depth of 826 mtrs.
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Development :

Sl.N o.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	In the year 2023-24, there was a proposal to work in two pits: PitNo-1:- between co-ordinates:- N1853800 to 1854200 and E 380000 to 380200 and in Pit No-2: N 1854400 to 1854800 & E380200 to 380600.	In the year 2023-24 working is carried out in pit no-1 only and production is carried out between the co-ordinates N 1854500 to 1854700 & E 380200 to 380440	Only 900 tonnes production is carried out against the proposal of 73760tonnes. Due to non availability of EC. Further, lessee has stopped working and submitted notice of temporary discontinues to this office. So, no violation is pointed out for less

				production.
2b	Separate benches in topsoil, overburden and minerals (Rule-15)	Benches were proposed in ore only.	Benches exist in ore only.	No topsoil or OB is existing in the proposed working area. And existing benches are in ore only.
2c	Stripping ratio of ore to OB ratio	1:0	1:0	No OB is existing in the proposed working area.
2d	Quantity of topsoil generation in m ³	None in the year 2023-24.	None in the year 2023-24.	No topsoil generation is proposed in the present plan period.
2e	Quantity of overburden generation in m ³	None in the year 2023-24.	None in the year 2023-24.	No OB/waste generation is proposed in the present plan period.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.		Two pits are existing in the lease area. The bench parameters are almost kept as per the proposal. In the year 2023-24, there was a proposal to work in two pits but working is	Due to non availability of EC lessee has produced only 900 tonnes in the year 2023-24. Further, lessee has stopped working and

			carried out in one pit only.	submitted notice of temporary discontinues to this office. So, no violation is pointed out for less production.
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Exploitation :				
Sl.N o.	Item	Proposals	Actual Work	Remarks
3a	Number of pit proposed for production	Two pits in the year 2023-24.	The production achieved is only 900 tonnes and entire production was achieved from one pit only in the year 2023-24.(PitNo-2)	385m (L) x 270m(w) x 8m(h) PitNo-2:- 375m(L) x 168m(W) x 5m(h)
3b	Quantity of ROM mineral production proposed	73760 tonnes in the year 2023-24.	900 tonnes in the year 2023-24.	The mine is not working presently due to market fluctuation and want of EC. Lessee has submitted notice of temporary discontinuance on 28-08-2024. Since lessee has submitted notice of temporary discontinuance no violation is pointed out for less production.

3c	Recovery of saleable / usable mineral from ROM production	98.5%	100%	Lessee has produced only 900 tonnes of ROM in the year 2023-24 and entire ROM is dispatched under cement grade.
3d	Quantity of mineral reject generation	None in the year 2023-24.	None in the year 2023-24.	Proposed recovery is mentioned as 98.5% and remaining 1.5% is waste rock, hence mineral reject generation is nil only
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable.	Not applicable.	
3f	Quantity of subgrade mineral generation.	None in the year 2023-24.	None in the year 2023-24.	
3g	Grade of subgrade mineral generation.	Not applicable.	Not applicable.	
3h	Manual / Mechanized method adopted for segregating from ROM	None	None	Dispatched entire ROM under cement grade.
3i	Any analysis or	None.	None	

	beneficiation study proposed and carried out for subgrade mineral and rejects			
3j	Provision of drilling and blasting in mineral benches	Yes, proposed.	Lessee is doing drilling and blasting as per the proposal.	Using drilling machine of 100mm capacity for drilling blast holes and slurry explosive for blasting.
3k	Provision of mining machineries in mineral benches	Yes proposed combination of Excavators and tippers.	Using Excavators of 0.65 capacity and tippers of 6.5CUM capacity in the mineral benches.	Additionally, lessee is using 100mm dia drilling machine for drilling blast holes.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed 5.00 mtr benches in ore and no OB benches were proposed.	Maintained bench height average 3 to 4.5 mtrs.	The bench height proposed and maintained is suitable for the method of mining adopted.
3m	Total area covered under excavation / pits	Area under Mining:- 17.043Ha. In the present five year block period.	Area under Mining:- 16.70Ha .	
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0	Recovery is 100% and no OB is removed in the year 2023-24.

3o	Total area put in use under different heads at the end of year	Area under mining:- 17.043Ha, Infrastructure: 0.92Ha, Green belt: 4.00Ha.	Area under Mining:- 16.70Ha . Infrastructure-0.92Ha and Green belt:- 3.80Ha.	The information furnished is almost found correct.
3p	Production of ROM mineral during the last five year period as applicable	2023-24 - 73760 T 2022-23 - 73720 T 2021-22 - 73700 T 2020-21 - 73610 T 2019-20 - 113878 T	2023-24 - 900T 2022-23 - 40280T 2021-22 - 60400T 2020-21 - 65800T 2019-20- 51800T	
3q	General remarks of inspecting officers on method of mining etc.		The mine is working by opencast mechanized method. Lessee doing deep hole drilling and blasting for loosening the strata and using combination of excavators and dumpers for production and development.	Presently the mine is not working due to want of EC. Earlier, the mine was working with valid Consent for Operation (CFO) Only and no EC is obtained so far, and same is communicated to State Government for necessary action.

Solid Waste Management - Dumping :

Sl.N o.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32, 33)	None in the year 2023-24.	None in the year 2023-24.	No topsoil, OB is existing in the area proposed for mining in the present five years block period. Recovery is 98.5%.

				However, in actual working Entire ROM removed was dispatched under Cement grade and recovery is 100%.
4b	Location of topsoil, OB and mineral reject dumps	None in the year 2023-24.	None in the year 2023-24.	No dumps are existing within the lease area.
4c	Number of dumps within lease area and outside of lease area	None in the year 2023-24.	None in the year 2023-24.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable.	Not applicable.	
4e	Number of active and alive dumps.	None in the year 2023-24.	None in the year 2023-24.	No dumps are existing within the lease area.
4f	Number of dead dumps.	None in the year 2023-24.	None in the year 2023-24.	
4g	Number of dumps established.	None in the year 2023-24.	None in the year 2023-24.	
4h	Whether retaining wall or garland drains all along dumps are there.	None in the year 2023-24.	None in the year 2023-24.	

4i	Length of retaining wall or garland drain all along dumps.	None in the year 2023-24.	None in the year 2023-24.	
4j	Number of settling ponds	None in the year 2023-24.	None in the year 2023-24.	
4k	Specific comments of inspecting officers on waste dump management .		No topsoil, OB is existing in the area proposed for mining in the present five years block period. Recovery is 98.5%. However, in actual working Entire ROM removed was dispatched under Cement grade and recovery is 100%.	No dumps are existing within the lease area.

Solid Waste Management - Backfilling :

Sl.N o.	Item	Proposals	Actual Work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling	Not proposed.	Nil	No backfilling is proposed in the present plan period.
5b	Area under backfilling of mined out area	Not proposed.	Nil	
5c	Concurrent use of	Not proposed.	Nil	

	topsoil for restoration or rehabilitation of mined out area (Rule 32)			
5d	Total area fully reclaimed and rehabilitated	Not proposed.	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Present working is not reached up to the proved depth and no proposals were made for reclamation and rehabilitation in the present plan period.	

Progressive Mine Closure Plan :

Sl.No.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 26(2)	Before 1st July of every year.	Submitted yearly report on PMCP within the prescribed time limit.	PMCP report submitted on 21.06.2024 along with the Annual returns submitted for the year 2023-24.
6b	Area available for rehabilitation (ha)	None.	None	
6c	Afforestation done (ha)	0.2Ha in the year 2023-24	0.2Ha in the year 2023-24.	
6d	No. of saplings	400 in the year 2023-	459 in the year 2023-	

	planted during the year	24	24	
6e	Cumulative no. of plants	2000 saplings in the present five year block period i.e. from 2020-21 to 2024-25.	Planted 2019 saplings in the present five year block period up to 2023-24.	Total plantation made so far is 6550.
6f	Any other method of rehabilitation	None.	None	
6g	Cost incurred on watch and care during the year	None.	Approximately Rs 50000	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (LxBxD)	Nil	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	
6j	Compliance on reclamation	Nil	Nil	

	and rehabilitation by backfilling (iii) Afforestation on backfilled area			
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	Nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil	
6n	Compliance of rehabilitation of waste	Nil	Nil	

	land within lease (ii) Area rehabilitation (ha)			
6o	Compliance of rehabilitation of waste land within lease (ii) Method of rehabilitation	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes, Air, Water and Noise monitoring was proposed in Core and Buffer zone.	Environmental monitoring in the core and buffer zone is carried out as per the proposal and results are within permissible limits.	Lawn Enviro Associates, Hyderabad.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Against the proposal of 400 lessee has planted 459 saplings in the year 2023-24. and total plantation made so far is 6550. Plantation was made more than the proposal. Environmental monitoring is carried out as per the proposal and results are within the permissible limits.	

Mineral Conservation:-

Sl.No.	Item	Proposals	Actual Work	Remarks
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7a	ROM mineral dispatch or gradewise sorting within lease area	Proposed dispatch of Cement grade ROM to Captive Cement Plant.	Lessee is dispatching Cement grade ROM to Captive plant as proposed.	Lessee is not doing any processing at mine site.
7b	Method of gradewise mineral sorting i.e. manual or mechanical	None.	None.	Sending ROM to Captive Cement plant without any processing.
7c	Different grade of mineral sorted out at mines	Cement Grade.	Cement Grade.	
7d	Any beneficiation process at mines	None.	None.	
7e	General remarks of inspecting officers on mineral conservation and beneficiation issues.		Lessee is not doing any mineral processing at the mine site at present and Dispatching ROM (Cement grade) to Captive Cement plant linked with the mine.	

Environment:-

Sl.No	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None in the year 2023-24.	None in the year 2023-24.	Topsoil removed earlier was utilized for plantation within the lease area.

8b	Concurrent use or storage of topsoil	None.	None	Topsoil removed earlier was utilized for plantation within the lease area.
8c	Separate dumps for overburden , waste rock, rejects and fines (Rule 33)	None in the year 2023-24.	None.	No OB/waste rock and Mineral reject was generated in the present five year block period.
8d	Use of overburden , waste rock, rejects and fines dumps for restoring the land to its original use	None.	None.	
8e	Phased restoration, reclamation and rehabilitation of land affected by mining operations (pits, dumps etc.)	None.	None.	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline information was furnished in the mining plan. Additional plantation proposals are being given in the Mining Plan documents.	Additionally lessee has planted about 6550 sapling so far within the lease area.	
8g	Survival rate	None	75 to 80%	Lessee is well maintaining plantation by regular monitoring by engaging manpower.
8h	Water sprinkling on roads to control airborne dust	Yes proposed.	Regularly spraying water on the working benches, Haul road etc. when mine is working.	Presently the mine is not working due to want of EC. Lessee is using hired water tanker for dust suppression during working.
8i	General remarks of inspecting officers on aesthetic beauty in and around mine areas.		Benches were made systematically. Plantation is made in the 7.5 mtr safety zone and around the view point.	
Compliance of Rule 45 :				
Sl.No.	Item	Proposals	Actual Work	Remarks

9a	Status of submission of monthly and annual returns	A monthly return shall be submitted before the tenth day of every month in respect of the preceding month and an annual return shall be submitted before the 1st day of July each year for the preceding financial year.	Submitting Monthly and Annual returns within the time limit.	Submitted Annual returns for the year 2023-24 on 21-06-2024.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details of Mining Engineer and Geologist furnished in the Annual returns submitted for the year 2023-24 are as follows. Mining Engineer & Mines Manager:-Mr. G Tata Reddy, Geologist:- Mr. D. Guruswamy.	The information furnished for the year 2023-24 is found correct.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Mining:- 16.377Ha. Infrastructure:- 0.92Ha, Green belt:- 3.80Ha.	Area under Mining:- 16.70Ha . Infrastructure-0.92Ha and Green belt:- 3.80Ha.	The land use details furnished in the Annual returns is almost found correct. Since the actual figures furnished are based on the latest survey, there is a small deviation in the broken up

				area.
9d	Scrutiny of Annual return on afforestation	459 sapling with survival rate 80%.	The information furnished for the year 2023-24 is found correct.	However, for total number of trees at the end of the year instead of giving cumulative figures, mentioned plantation made during the year 2023-24 and show cause notice is issued for the same under Rule 45(7) of MCDR 2017.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None in the year 2023-24.	None in the year 2023-24.	Entire ROM removed is dispatched under Cement grade to the captive plant.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: Opening and closing stock: Nil, Production:-900 tonnes Grade wise details: Cement Grade: Opening and closing stock: Nil, Production and Dispatch: 900 tonnes.	The details furnished in the Annual returns submitted for the year 2023-24 is found correct.	Lessee has dispatched entire ROM to captive plant under Cement grade.
9g	Scrutiny of Annual return on	Cost of production and Ex-mine price is	Comparing to last year the cost of production	Show cause notice is issued for the

	Sale value, Ex Mine price and production cost	mentioned as Rs 4008.38 and Sale value is shown as Rs 3607542 for 900 tonnes.	is shown 1200% more (In the Annual returns submitted for the year 2022-23 cost of production and ex-mine price was mentioned as Rs 305.40/ton.	same under Rule 45(7) of MCDR 2017.
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets is mentioned Rs 572976 for the year 2023-24	The details furnished in the Annual returns submitted for the year 2023-24 is found correct.	
9k	Scrutiny of Annual return on mining machineries	Bach hoe of 0.05Cum capacity-01, Tippers of 6.5Cum capacity-01, Drilling machine of 100mm capacity-01 and Air compressor-01	The details furnished in the Annual returns submitted for the year 2023-24 is found correct.	

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show cause position		
Rule No.	Issued on	Compliance position	Rule No.	Issued on	Compliance position
	NA		45(7)	03-01-2025	

Date:-03-01-2025

(KALMATA.M.K)

Indian Bureau of Mines