

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT 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 : **160**) **kalmata.M.K**
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine : K.Srinivas Rao, GM(Mines).
Official with
Designation
- (iv) Date of Inspection : 19-JUL-23
- (v) Prev.inspection date : 30-SEP-22

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-NOV-05**
- (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-JUL-25**
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 My Home Industries Pvt.
 Limited Madhapur,My Home
 Hub Hyderabad-500081
 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 :

Mining Engineer

Name : M APPALA RAJU,Full Time
 Qualification :
 Appointment/ : 01-FEB-19
 Termination date

Geologist

Name : Shri G.Naresh Kumar,Full Time
 Qualification : Msc, Geology.
 Appointment/ : 13-SEP-21
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	22-DEC-05
Plan/Scheme of Mining		Modif.of approved Mining Plan	26-DEC-07
		Modif.of approved Mining Plan	29-SEP-09
		Mining Scheme rule 12 MCDR1988	17-SEP-14
		MP modif under 17(3) MCR 2016	19-DEC-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None in the year 2022-23.	Drilled two non core drills in the year 2022-23.	In the present plan period there was a proposal to drill 19 bore holes in the year 2019-20. Lessee has drilled 26 boreholes in the year 2018-19 , 19 boreholes in the year 2019-20 and two in 2022-23.,
1b	Exploration over lease area for geological axis 1 or 2	None in the year 2022-23	Drilled two non core holes to know the depth continuity of the ore body.	In the present plan period there was a proposal to explore entire mineralized area under G-1 level. Lessee has drilled total 47 boreholes in the present plan period and covered entire mineralized area under G-1 level of exploration.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None.	Exploration was carried out by J.P kor drilling and Sri sai Mining services under the supervision of company Geologist appointed under Rule 55 of MCDR 2017. and expenditure incurred for the exploration carried out in the year 2022-23 is Rs 44243.	As on date the expenditure incurred on exploration is about Rs 6347984.
1d	Balance area to be explored to bring Geological axis in 1 or 2	None.	None.	Entire mineralized area is explored under G-1 level.

1e	Balance reserve as on 01/04/20	As per the approved document dated 27.01.2023, reserves/resources are as follows. Reserves/resources as on 30.09.2022. (In million tonnes) Proved Mineral Reserves (111) - 57.420 feasibility Resources (211) - 41.586 Total:- 99.006	Reserves/resources as on 01.04.2023. (In million tonnes) Proved Mineral Reserves (111) - 56.574 feasibility Resources (211) - 41.586 Total:- 98.160	Reserves/resources were updated by depleting the ROM production of 846295 tonnes carried out between oct 2022 to mar 2023.
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1f	General remarks of inspecting officers on geology, exploration etc	The deposit belongs to Nargi limestone formation of Kurnool group. Type of the deposit is bedded stratiform regular deposit. General strike of the formation is NNE to SSW and dip 3 to 5 degree towards east. The entire mineralized area is explored under G-1 level by drilling 118 bore holes.
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Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	In the year 2022-23, there was a proposal to work between the co-ordinates, N1856360 to N 1857460 and E 382400 to E 383560.	Actual working is carried out between the co-ordinates N 1856360 to N 187410 and E 382440 to E 383510.	Production is achieved almost 85% in the year 2022-23 and working has been carried out within the proposed area.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed in ore and soil.	Separate benches were made in topsoil and ore.
2c	Stripping ratio or ore to OB ratio	None.	None.
2d	Quantity of topsoil generation in m3	100104 in the year 2022-23.	51385 in the year 2022-23.
2e	Quantity of overburden generation in m3	None.	None.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Working has been carried out within the proposed co-ordinates. Separate benches were maintained in ore and topsoil.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	Dimension of the pit is as follows. 995m(L) x 915m(w) x 26m(d)
3b	Quantity of ROM mineral production proposed	1819991 tonnes in the year 2022-23.	1546286 tonnes in the year 2022-23.	Production was achieved almost 85% in the year 2022-23.
3c	Recovery of sailable/usable mineral from ROM production	Recovery is shown as 91% in the year 2022-23.	Usable ore produced during the year 2022-23 is almost 93.8%	Total ROM produced during the year 2022-23 is 1546286tonnes, out of which only 1450000 tonnes which is having Cao% above cutoff is dispatched to plant for captive consumption and reamining 96286 tonnes stacked separately for future use.
3d	Quantity of mineral reject generation	101110 tonnes in the year 2022-23.	96286 tonnes in the year 2022-23.	

3e	Grade of mineral rejects generation and threshold value declared.	None.	Average 34% (34 to 36%) Cao.	
3f	Quantity of sub grade mineral generation.	None.	None.	
3g	Grade of sub grade mineral generation	Not applicable.	Not applicable.	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None.	None.	
3j	Provision of drilling and blasting in mineral benches	Yes, proposed.	Drilling and blasting is being carried out as per the proposal.	Using 115mm drilling machine for deep hole drilling and Ammonium nitrate based slurry explosive in cartridge are used for blasting.
3k	Provision of mining machineries in mineral benches	proposed combination of tippers and excavtors in the mineral benches for production and development.	Using excavator of 2.5Cum capacity and tippers of 25 tonnes capacity for production and development.	Additionally, lessee is using drilling machine of 115mm capacity for deep hole drilling.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	proposed 9.00 mtrs bench in mineral.	maintained 7.00 to 8.00 mtrs bench height in mineral and 1.5 to 2.00 mtrs bench in the soil.	Bench heights were maintained as per the proposal.
3m	Total area covered under excavation/pits	92.71Ha for the year 2022-23.	91.30 Ha as on 2022-23.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0	Lessee has handled negligible quantity of soil and same is not considered for calculating ratio.

3o	Total area put in use under different heads at the end of year	Area under mining- 92.71Ha, Topsoil stacking- 10.40Ha, Mineral storage- 0.40Ha, Infrastructure -5.39Ha.	Area under mining- 91.30Ha, Infrastructure -4.37, Topsoil dumps- 9.40Ha.	
3p	Production of ROM mineral during the last five year period as applicable	2022-23 1819991 tonnes 2021-22 1820000 tonnes 2020-21 1820000 tonnes 2019-20 1820000 tonnes 2018-19 1820000 tonnes	2022-23 1546286 tonnes 2021-22 1340150 tonnes. 2020-21 749850 tonnes 2019-20 1057819 tonnes 2018-19 1677089 tonnes	In the year 2022-23 production achieved is almost 85%.
3q	General remarks of inspecting officers on method of mining etc.		The method of mining adopted is fully mechanized open cast with deep hole drilling and blasting. The working has been carried out within the proposed co-ordinates. Bench parameters were maintained as per the proposal and bench height and width maintained is suitable for the method of mining adopted.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed separate dumping of topsoil and minerals.	Topsoil and mineral is dumped separately.	

4b	Location of topsoil, OB and mineral reject dumps	In the year 2022-23 topsoil dumping was proposed on the existing topsoil dumps 2 and 5 in the Northern part of the lease area and it was proposed to make ramp for new crusher using mineral rejects.	The topsoil generated was dumped on the existing active topsoil dumps 2 and 5 as per the proposal and mineral reject was utilized for making ramp for the new crusher.	During inspection it was observed that some waste soil (gravel) also dumped on the topsoil and lessee has strictly advised to dump waste rock or soil separately.
4c	Number of dumps within lease area and outside of lease area	Five within the lease area.	Five dumps are existing within the lease area.	All are soil dumps.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL.	existing out side the UPL.	
4e	Number of active and alive dumps.	04 active dumps.	04 active dumps are existing within the lease area.	All four dumps are soil dumps.
4f	Number of dead dumps.	one	one	One inactive topsoil dump is existing within the lease area.
4g	Number of dumps established.	None.	None.	Some plantation is made on the inactive topsoil dump, but it is not fully stabilized.
4h	Whether Retaining wall or garland drain all along dumps are there.	None in the year 2022-23.	No retaining wall and garland drains were made in the year 2022-23.	However, in the previous years retaining walls/bunds were along the toe of the soil dump.
4i	Length of Retaining wall or garland drain all along dumps	None in the year 2022-23.	None in the year 2022-23.	Length of the existing retaining wall/bund is approximately 150.00 mtrs.
4j	Number of settling ponds	None.	None.	

4k	Specific comments of inspecting officer on waste dump management	In the year 2022-23, dumping of topsoil was made as per the proposal. Total five soil dumps are existing within the lease area. out of five one is inactive and partially stabilized by plantation and remaining four area active dumps. During inspection it was observed that waste soil(Gravel) generated was dumped on the black cotton soil, lessee has advised to dump the pure waste soil(Gravel) separately. Retaining wall/bund is existing along the toe of the soil dump.
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Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No back filling was proposed in the year 2022-23.	No area has been backfilled in the year 2022-23.	Mineral is not extracted up to the proved depth, so, no backfilling was proposed and made in the present plan period.
5b	Area under backfilling of mined out area	None.	None.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None.	None.	
5d	Total area fully reclaimed and rehabilitated	None.	None.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Mineral is not extracted upto the proved depth and no area is matured for backfilling, so no backfilling is proposed and made in the present plan period.	

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).	Before 1st July of every year.	Submitted yearly report on PMCP along with the Annual return submitted for the year 2022-23.	Submitted yearly report on PMCP within the time limit.
6b	Area available for rehabilitation (ha) .	None.	None.	
6c	afforestation done (ha).	0.25Ha in the year 2022-23.	0.26Ha in te year 2022-23.	
6d	No. of saplings planted during the year	250 saplings in the year 2022-23.	265 saplings in the year 2022-23.	Plantation was made in the 7.5mtr safety zone between pillar no 14 and 15.
6e	Cumulative no .of plants	1250 saplig in the present plan period up to 2023-24.	Total 2842 saplings were planted in the present plan period up to 2022-23.	Total plantation made so far is 10824 within the lease area.
6f	Any other method of rehabilitation	None.	None.	
6g	Cost incurred on watch and care during the year	None.	Rs 17,42,523.	Including environmental monitoring.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None.	None.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None.	None.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	None.	None.	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None.	None.	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None.	None.	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	None.	None.	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None.	None.	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None.	None.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed regular monitoring of Air, water and noise in the core and buffer zone.	Lessee has carried out Environmental monitoring for the quarter ending March 2023, for Air, Water and Noise and all the parameters are found within permissible limit.	Environmental monitoring was carried out by M/s Lawn Enviro Associates, Hyderabad. Lessee has submitted copy of report to this office.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Under PMCP only plantation and garland was proposed in the plan period, which is valid up to 2023-24. The plantation was made morethan the proposal. Further, lessee is regularly monitoring Air, water and noise and all the parameters are within the permissible limits	

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise diapatch from the mine head.	Dispatching cement grade ore from the mine to captive plant.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical.	Mechanical.	Lessee is doing only crushing and screening.
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 officer on Mineral conservation and beneficiation issues		Lessee is using lowgrade ore having marginal silica percentage by blending with high grade ore as per the requirement of the plant.	However, ROM having cao morethan threshold and having high silica is being stacking separately for future use.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes proposed.	Lessee is removing topsoil separately by scarping and using for plantation purpose.	Stacking excess topsoil separately for future use.
8b	Concurrent use or storage of topsoil	Proposed both utilization and storage.	Total 77089 cum topsoil was generated in the year 2022-23 out of which about 25705 cum utilized for plantation work and remaing quantity has stacked separately for future use.	Topsoil was stacked in the stockyard II, III and V.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes proposed.	Separate dumps were maintained for rejects.	

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 lands affected by mining operations (Pits, dumps etc)	None.	None.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes furnished.	Additionally lessee has planted about 10824 saplings within the lease area, covering an area of approximately 11.8Ha.	About 19342 saplings were planted outside the lease area, covering an area of 17.78Ha so far.
8g	Survival rate	90% in the year 2022-23.	Survival rate is 93% in the year 2022-23	It was observed that survival rate is good. Lessee is well taking care of plantation by regular monitoring.
8h	Water sprinkling on roads to control airborne dust	Yes, proposed.	Regularly spraying water on the working benches, Haul road etc.	One water tanker of 8,000 ltr capacity is in use for dust suppression.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Benches were maintained systematically, plantation was made in the 7.5 mtr safety zone and barren outside the lease area. About 10824 saplings planted within the lease area and 19342 saplings outside the lease area.	

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	A monthly returns shall be submitted before 10 th day of every month in respect of preceding month and an annual returns shall be submitted before 1st day of July of each year for the preceding financial year.	Lessee is regularly submitting Monthly and Annual returns within time-bound.	Submitted annual returns for the year 2022-23 and Monthly returns up to June-2023.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Mines Manager:- Mr. M Appala Raju, Geologist:- Mr. G.Naresha Kumar.	The details of Mining Engineer and Geologist furnished in the Annual returns submitted for the year 2022-23 is found correct.	Both Mining Engineer and Geologist were present during the inspection.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits:- 91.38Ha, Infrastructure -13.91Ha, Other:- 11.85Ha.	Area under mining- 91.30Ha, Infrastructure -4.37, Topsoil dumps- 9.40Ha.	Since option is not there in Annual returns for topsoil dumps. Lessee has shown area covered under topsoil dump in the infrastructure.
9d	Scrutiny of Annual return on afforestation	Shown 265 plantation and 93% survival rate within the lease area.	The information furnished in the annual returns submitted for the year 2022-23 is found correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	96286 tonnes of mineral rejection was shown in the Annual returns submitted for the year 2022-23.	The information furnished in the annual returns submitted is found correct.	The mineral reject having average grade of Cao 34 to 36% is stacked separately for future use.

9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM:- Opening and closing stock:- Nil, Production:- 1546286 tonnes, Grade wise, Cement Grade:- Opening stock: Nil, Production: 1546286 tonnes, dispatch: 1450000 tonnes, closing stock: 96286 tonnes.	The information furnished in the Annual returns on ROM or graded ore is found correct.	The closing stock which is mentioned as 96286 tonnes is mineral reject and it is stacked separately for future use.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value nil, Cost of production and ex-mine price:- Rs 166.59/tonne.	The mine is captive mine so sale value is Nil. The cost of production and ex-mine price furnished is found correct.	
9h	Scrutiny of Annual return on fixed assets	The vale of fixed assets is mentioned as Rs 110079412.	The information furnished is found correct.	
9k	Scrutiny of Annual return on mining machineries	Backhoe 2.5Cum capacity-03 numbers, trucks of 25 ton cpacity-08 number, Rock drill-01	The details furnished in the annual returns is found correct.	

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 :

(kalmata.M.K)

Indian Bureau of Mines