

I/37610/2024

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/KNL/L.ST-162/HYD

Mine code : 38APR11153

- (i) Name of the Inspecting : **RAM**) **RAMKISHAN RAVULA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri Ajmal Ahmed, GM(Mines)
Official with
Designation
- (iv) Date of Inspection : 18-JUL-24
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHINTALAYAPALLI(494.55 HA**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : KURNOOL
Village :
Taluka :
Post office :
Pin Code :
FAX No. : (08654) 24400(08654),22253
E-mail : mcljpm@ramco cements.co.in
Phone : (08654)24400,224400
- (f) Police Station : KOLIMIGUNDLA
- (g) First opening date : 02-SEP-09
- (h) Weekly day of rest : SUN
2. Address for : THE RAMCO CEMENTS LTD,KUMARASWAMY RAJANAGAR
correspondance JAGGAYYAPET (M)KRISHNA DIST,
ANDHRAPRADESH-521457
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

I/37610/2024

5. Name and Address of the

Lessee : THE RAMCO CEMENTS LTD
KUMARASWAMY RAJANAGAR
JAGGAYAPET MANDAL KRISHNA
ANDHRA PRADESH
Phone:08654-224400
FAX :08654-222532

Owner : THE RAMCO CEMENTS LIMITED.
KUMARASAMY RAJA NAGAR-
5217457, JAGGAYAPET
MANDAL, KRISHNA DISTRICT.
KRISHNA ANDHRA PRADESH
Phone:
FAX : 08654-222532

6. Date of approval of Mining : MP modif under 17(3) MCR 2016 07-JUN-18
Plan/Scheme of Mining

I/37610/2024

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No such specific proposal.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	4 nos of boreholes were proposed during the year 2023-24.	the proposed boreholes were already drilled in previous years.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	4 nos of boreholes were proposed during the year 2023-24.	the boreholes proposed were already drilled in the previous years.	
1e	Balance reserve as on 01/04/20	As per the approved document dated 20.05.2024, the Limestone reserves are 176.90 mil.t	due to depletion/addition over the period of time the updated reserves as on dated 01.04.2024 are limestone: 81.22 mil.t.	
1f	General remarks of inspecting officers on geology, exploration etc		The rock formations are Sub horizontal with gentle dips of 5 to 7 degree towards SE. The captive Chintalayapalle Limestone Mining lease sprawling over an extent of 491.55 ha. The Limestone deposit is a Simple, Tabular, undisturbed stratigraphic horizon. The deposit within leasehold is devoid of structural disturbances and possess a uniformity in its attitude and disposition. The entire leasehold is mineralized and is evidently formed in a reducing environment.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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I/37610/2024

2a	Location of development w.r.t.lease area	two pits are proposed for development during the year 2023-24.	Pit-1 & pit-2 were being developed.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	top soil is proposed to be removed by scrapping and benches in Ob, mineral are proposed.	mainatined.	
2c	Stripping ratio or ore to OB ratio	1:0.005 cu.m	Nil	No waste generated during the year 2023-24 as ROM prodcution is less.
2d	Quantity of topsoil generation in m3	251350 cu.m.	162493 cu.m.	
2e	Quantity of overburden generation in m3	20175 cu.m.	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		development is carried out by opencast mining method as proposed.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	two	two	
3b	Quantity of ROM mineral production proposed	4 mil.t. during the year 2023-24.	2.5 mil.t.	due to less demand at captive cement plant.
3c	Recovery of sailable/usable mineral from ROM production	4 mil.t.	2.5 milt.	
3d	Quantity of mineral reject generation	No proposal.	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil	

I/37610/2024

3f	Quantity of sub grade mineral generation.	No proposal.	Nil
3g	Grade of sub grade mineral generation	No proposal.	Nil
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.	No proposal.	Nil
3j	Provision of drilling and blasting in mineral benches	drilling and blasting is proposed.	drilling & blasting is carried out.
3k	Provision of mining machineries in mineral benches	drilling & blasting is carried out.	drilling & blasting is carried out.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8 m	maintained.
3m	Total area covered under excavation/pits	53.33 ha at the end of plan period i.e. 2024-25.	25.2 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.005 cu.m	Nil
3o	Total area put in use under different heads at the end of year	68.19 ha at the end of plan period i.e. 2024-25.	29.49 ha
3p	Production of ROM mineral during the last five year period as applicable	2019-20: No proposal. 2020-21: 4 mil.t. 2021-22: 4 mil.t. 2022-23: 4 mil.t. 2023-24: 4 mil.t.	2019-20: Nil 2020-21: Nil 2021-22: 20592 t 2022-23: 0.821 mil.t. 2023-24: 2.511 mil.t.

I/37610/2024

3q General remarks of inspecting officers on method of mining etc. production is carried out from one pit by opencast mining method as proposed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	top soil is proposed to be utilised waste generated is proposed to be dumped seperately.	top soil utilized. no waste generated.	
4b	Location of topsoil, OB and mineral reject dumps	top soil propsoed to be spread along the ML boundary.	top soil spread along the ML boundary.	
4c	Number of dumps within lease area and outside of lease area	One	Nil	
4e	Number of active and alive dumps.	one	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 waste generated.	

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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I/37610/2024

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.		Area not matured for reclamation.

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).	PMCP report to submitted submitted before 1 st July.		
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	
6c	afforestation done (ha).	1 ha during the year 2023-24.	2.7 ha	
6d	No. of saplings planted during the year	2000	12180	
6e	Cumulative no .of plants		49750	
6f	Any other method of rehabilitation	No proposal.	Nil	
6g	Cost incurred on watch and care during the year		Rs. 1948800/-	

I/37610/2024

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

I/37610/2024

6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB.	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB is carried out.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		PMCP measures were carried out as proposed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	proposed.	carried out.	entire ROM (Limestone) of cement grade is used in the captive plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical.	mechanical.	
7c	Different grade of mineral sorted out at mines.	cement grade limestone	cement grade limestone	
7d	Any beneficiation process at mines	No proposal.	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			entire ROM (limestone) of cement grade is used at captive plant.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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I/37610/2024

8a	Separate removal and utilization of topsoil (Rule 32)	proposed.	carried out.
8b	Concurrent use or storage of topsoil	concurrent usage of top soil is proposed.	carried out.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed for OB.	no waste generated.
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)	2000 nos	12180 nos
8g	Survival rate		90%
8h	Water sprinkling on roads to control airborne dust	water sprinkling on haul roads for dust suppression is proposed.	carried out.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		aesthetic beauty in and around the mines area is maintained.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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I/37610/2024

9a	Status of submission of Monthly and Annual returns	Monthly and annual returns are to be submitted as per rule 45 of MCDR, 2017	submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	(i) Graduate Mining Engineer 2, (ii) Diploma Mining Engineer 3, (iii) Geologist 1	found to be in order.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Covered under current (O-C) Workings 25.200 ha, (ii) Occupied by plant, buildings, residential, welfare buildings and roads 4.290 ha, etc.,	found to be in order.
9d	Scrutiny of Annual return on afforestation	12180	found to be in order.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	found to be in order.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock is Nil	found to be in order.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Production cost is Rs. 235.37/-	Production cost is Rs. 235.37/-
9h	Scrutiny of Annual return on fixed assets	Rs. 538272472/-	Rs. 538272472/-
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) 1.500 CUM 2, TIPPER 19.000 CUM 14, BLAST HOST DRILL 115.000 MM 1	found to be in order.

I/37610/2024

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 :**(RAMKISHAN RAVULA)**

Indian Bureau of Mines