

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT AND REGULATION DIVISION**

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/GNR/LST-21/HYD

**Mine code :** 38APR07013

- (i) Name of the Inspecting : **DP09** ) **D.P.Ravi kumar**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri B.Gurusekhar Reddy, AGM & Manager(Mines)  
Official with  
Designation
- (iv) Date of Inspection : 21/06/2024
- (v) Prev.inspection date : 29/10/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PETASANNIGANDLA**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : ANDHRA PRADESH  
District : GUNTUR  
Village : PETASANNIGANDLA  
Taluka : GURUZALA  
Post office : KAREMPUDI  
Pin Code : 522614  
FAX No. :  
E-mail :  
Phone : 08649-272254
- (f) Police Station : KARAMPUDI
- (g) First opening date : 21/12/1982
- (h) Weekly day of rest : SUN
2. Address for : PETASANIGANDLA LIMESTONE MINE  
correspondance : KARAMPUDI  
GUNTUR DIST
3. (a) Lease Number : APR1340  
(b) Lease area : 202.35  
(c) Period of lease : 20  
(d) Date of Expiry : 23/12/2002
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : M/S SRI CHAKRA CEMENTS LTD  
 H.NO 6-3-668/10/66  
 P.B.NO.33, PUNJAGUTTA,  
 DURGANAGAR COLONY HYDERABAD  
 TELANGANA  
 Phone:3318939,65023474  
 FAX :040-3318938

Owner : SRI CHAKRA CEMENTS LTD  
 H.NO 6-3-668/10/66  
 P.B.NO.33, PUNJAGUTTA,  
 DURGANAGAR COLONY, HYD  
 GUNTUR ANDHRA PRADESH  
 Phone:  
 FAX :

Agent : D.V.D.S.N.Murthy  
 Sri Narasimhapuri(po)  
 Karampudi(M) Guntur Dist.  
 GUNTUR ANDHRA PRADESH  
 Phone:  
 FAX :

## Manager

Name : B.GURUSEKHAR REDDY  
 Qualification : DIPLOMA IN MINING  
 Appointment/ :  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	03/03/2005
Plan/Scheme of Mining	:	Modif.approved Mining Scheme	20/02/2007
	:	Mining Scheme rule 12 MCDR1988	22/07/2009
	:	MP review under 17(1) MCR 2016	16/01/2018

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration was proposed during the year 2023-24	During the year 06 core boreholes were carried out	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal during the year 2023-24. But proposal in 2024-25 for 06 core bore holes and lessee carried out the same to know the reserves estimation. The entire potentially mineralised area was covered under G1 scale.	No proposal during the year 2023-24. But proposal in 2024-25 for 06 core bore holes and lessee carried out the same to know the reserves estimation. The entire potentially mineralised area was covered under G1 scale.	No proposal during the year 2023-24. But proposal in 2024-25 for 06 core bore holes and lessee carried out the same to know the reserves estimation. The entire potentially mineralised area was covered under G1 scale. A violation letter was issued for submission of Geological Report.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposals	The exploration was carried out by M/sRock engineers core drills, Hyderabad and expenditure is Rs. 13,41,483/-	No comments to offer.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	The entire potentially mineralised area is covered under G1 scale of exploration.	The entire potentially mineralised area is covered under G1 scale of exploration.
1e	Balance reserve as on 01/04/20		The reserves as 1.4.2024 are 38,933,351 metric tonnes	No comments to offer.

1f	General remarks of inspecting officers on geology, exploration etc	The lessee has carried out exploration over entire potentially mineralised area under G1 scale.	The entire potentially mineralised area was covered under G1 scale. A violation letter was issued for submission of Geological Report. The lease area constitute a portion of western end of palnad sub-basin of late proterozoic sediments.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to carry out the excavation of limestone at Pit -1 and 2 NE&NW side of the lease area during the year 2023-24	The excavation of the limestone being done from the site as proposed.	No deviation noticed.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	seperate benches mineral proposed.no top soil generation is envisaged.	mainatined.	Nil
2c	Stripping ratio or ore to OB ratio	1.0 : 0.05	1.0 : 0.04	Nil
2d	Quantity of topsoil generation in m3	No proposal.	Nil	Nil
2e	Quantity of overburden generation in m3	14237 cu.m	9743 cu.m	None

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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.	Development is carried out by opencast mining method as proposed.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	Two	Nil
3b	Quantity of ROM mineral production proposed	676272 t , during 2023-24	617094 t , during 2023-24	None
3c	Recovery of sailable/usable mineral from ROM production	676272 t , during 2023-24	617094 t , during 2023-24	Nil
3d	Quantity of mineral reject generation	No proposal	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	Nil
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	Nil
3g	Grade of sub grade mineral generation	No proposal	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil	Nil

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3j	Provision of drilling and blasting in mineral benches	It was proposed to carry out drilling and brilling.	Same was noticed duirng the inspection.	Nil
3k	Provision of mining machineris in mineral benches	excavator and dumper cobmination is proposed for excavation.	excavtor and dumper combination is deployed for excavation.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 8 meters	Yes, 8 meters	Nil
3m	Total area covered under excavation/pits	29.6455 ha.	29.6455 ha.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	1: 0.04	Nil
3o	Total area put in use under different heads at the end of year	45.138 ha	45.138 ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2019-20 : 726360 2020-21 : 751385 2021-22 : 772710 2022-23 : 709070 2023-24 : 676272	2019-20 : 444333 t 2020-21: 537440 t 2021-22: 605762 t 2022-23: 660871 t 2023-24: 617094 t	Nil
3q	General remarks of inspecting officers on method of mining etc.		production is carried by opencast mining method as proposed.	production is carried by opencast mining method as proposed.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	seperate dumping of waste is proposed. no top soil generation is envisaged.	carried out	Nil
4b	Location of topsoil, OB and mineral reject dumps	N 1813887 - N 1813887 E 367066 - E 367066	mainatined between grid location.	Nil
4c	Number of dumps within lease area and outside of lease area	one with in ML area	one with in ML area	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	Nil
4e	Number of active and alive dumps.	one	one	Nil
4f	Number of dead dumps.	No proposal.	Nil	Nil
4g	Number of dumps established.	No proposal.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Retaining wall already constructed.	Nil
4i	Length of Retaining wall or garland drain all along dumps	Garland drain : 330 Mts	Garland drain is completed along with dump of 330 Mts.	Nil
4j	Number of settling ponds	No proposal.	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management			No waste dump proposed in the lease area. Garland drain proposed and developed along the lease boundrary to divert the runoff water.

## 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	Nil
5b	Area under backfilling of mined out area	No proposal.	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No area matured for reclamation purpose during the year 2023-24.

## 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).	Yes	Yes	No deviation.
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	Nil
6c	afforestation done (ha).	0.6 ha.	1.0 ha.	Nil
6d	No. of saplings planted during the year	1500 nos. of saplings.	1500 nos. of saplings.	No deviation.
6e	Cumulative no .of plants		17600 nos. of saplings.	Nil



6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year		It was reported by the lessee that about Rs.94500 /- was incurred during the year 2023-24	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D	No proposal.	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal.	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal.	Nil	Nil

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring of the environmental parameters.	Regular quarterly monitoring of environmental parameters being carried out and the all the parameters are within permissible limits.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		The lessee is implementing all the proposals as made in the approved document related to Progressive Mine closure.	No deviation.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed that entire mineral produced would be utilised in the cement plant of the lessee.	Same was noticed duirng the inspection.	No deviation noticed.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical	mechanical	Nil
7c	Different grade of mineral sorted out at mines.	cement grade limestone	cement grade limestone	Nil

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7d	Any beneficiation process at mines .	There is no proposal for any beneficiation at mines.	No beneficiation practice was noticed at the mines.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	There was no proposal for grade wise sorting or any other type of beneficiation at mines.	No such activities noticed during the inspection.	entire ROM (limestone) of cement grade is used at captive plant.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil	Nil
8b	Concurrent use or storage of topsoil	No proposal.	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil	Nil

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1500 nos.	1500 nos.	Nil
8g	Survival rate	50 %	50 %	No deviation.
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by way of water sprinkling.	Same was noticed during the inspection.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Lessee is implementing all the measures related to maintaining environmental balance.	The over all aesthetic beauty can be rated as above average.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly and Annual returns being submitted within the timelines	No deviation.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return 2023-24, Shri B.gurusekha Reddy and Shri NVSPL Ravikanth as Mining Engineer & Geologist	Same was confirmed during the inspection.	No deviation.

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per the annual return 2023-24 the area under pit is 29.645 ha., area used for waste disposal=3.582 , ha. infrastructure is=10.649 ha., additional infrastructure =1.262	The same was confirmed during the inspection.	Nil
9d	Scrutiny of Annual return on afforestation	1500 nos of saplings.	found to be in order.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	9743 cu.m	Verified the same during the site inspection.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM clsoing stock is 626287 t	Same was checked and verified during the inspection.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The Ex-mine price was reported as Rs.252.34 per tonnes and cost of production=Rs. 261.01	The same was confirmed during the inspection.	Nil
9h	Scrutiny of Annual return on fixed assets	The fixed assets value reported as per 2023-24 annual return was Rs. 496675766/-	The same was not scrutinised.	Nil

9k	Scrutiny of Annual return on mining machineries	Backhoe - 2Nos. Tipper - 03 Nos., wheel loader =01 no., Air compressure=01 no., Rock drill =01 no., crusher=03 nos.	Same were confirmed during the inspection.	No comments.
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**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
MCDR17	Rule 12(4)	10/07/2024			

**Date :****(D.P.Ravi kumar)**

Indian Bureau of Mines