

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT 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 : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SRI.B.GURUSEKHAR REDDY, MINES MANAGER**
Official with
Designation
- (iv) Date of Inspection : 29/10/2018
- (v) Prev.inspection date : 13/03/2018

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	None	None	
1b	Exploration over lease area for geological axis 1 or 2	3 Core Bore Holes	11 core bore holes	About 128.93 ha area has been covered under G1 and G2 exploration .
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specific	Rock Engineering core drillers, Hyderabad Rs.2.40 Lakhs	
1d	Balance area to be explored to bring Geological axis in 1 or 2	73.41 HA	73.41 HA	
1e	Balance reserve as on 01/04/20	35.87 million tonnes	36.10 million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	The Limestone deposit is bedded type belongs to Palnad basin of late proterozoic sediments. The Lessee has proposed 3 core bore holes during the year 2017-18 against which 11 core bore holes were drilled with a total meterage of 287 m. Out of 11 CBH, only 6 core bore holes were proved mineralisation.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	South and South east of working benches from 189 to 132 MRL	As per the approved proposals.	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No top soil. Only mineral benches	No top soil. Only mineral benches	There is no top soil. Intercalated waste is generated in Mineral Benches.
2c	Stripping ratio or ore to OB ratio	1: 0.1	1: 0.1	
2d	Quantity of topsoil generation in m3	No proposal	NIL	
2e	Quantity of overburden generation in m3	29673 M3	20747 M3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	_____	_____	Development is as per the approved proposals

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One Pit	
3b	Quantity of ROM mineral production proposed	667643 Tonnes	574016 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	N.A	N.A	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	N.A	N.A	

3h	Manual / Mechanised method adopted for segregating from ROM	NIL	NIL	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	
3j	Provision of drilling and blasting in mineral benches	Yes, Deep Hole Blasting and drilling	Yes, Deep Hole Blasting and drilling	
3k	Provision of mining machineries in mineral benches	Yes, Back Hoe- 1.3 m3-1 No, 1.9 m3- 1 No, wheel loader-1 No, Drilling Machine-1 No.	Yes, Back Hoe- 1.3 m3-1 No, 1.9 m3- 1 No, wheel loader-1 No, Drilling Machine-1 No.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 7m bench ht	Yes, 7m bench ht	
3m	Total area covered under excavation/pits	26.114 ha	26.114 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.1	1:0.1	
3o	Total area put in use under different heads at the end of year	42.184 ha	42.184 ha	
3p	Production of ROM mineral during the last five year period as applicable	2013-14-- 13,28,000 T, 2014-15-- Lapsed period, 2015-16- Lapsed period, 2016-17-- 12,82,766 T, 2017-18-- 6,67,643 T	2013-14--3,82,000 T, 2014-15--4,86,438, 2015- 16-5,47,245, 2016-17-- 5,08,186.83 T, 2017-18-- 5,74,016 T	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Open cast fully mechanised mining operations are being carried out.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes, waste dump	Yes, waste dump	
4b	Location of topsoil, OB and mineral reject dumps	South east of ML	South east of ML	
4c	Number of dumps within lease area and outside of lease area	One waste dump	One waste dump	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL	Beyond UPL	
4e	Number of active and alive dumps.	One active dump	One active dump	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	NIL	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall and Garland drain	Constructed Garland drain as per the proposals	Retaining wall not constructed as per the proposals. Hence violation of Rule 11(1) was pointed out to the party.
4i	Length of Retaining wall or garland drain all along dumps	60 m	60 m	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	_____

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	NIL	NIL	
5b	Area under backfilling of mined out area	N.A	Area within 7.5 m barrier zone between pillar No. 8 to 10 and 15 G was found back filled.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	N.A	N.A	
5d	Total area fully reclaimed and rehabilitated	N. A	N.A	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	The ML area encroached between the pillar No.8 to 10 and 15 G (as per the old lease sketch) has been back filled during the year 2017-18.

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).	Yearly Report to be submitted	yearly report has been submitted	
6b	Area available for rehabilitation (ha) .	No Proposal	NIL	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL	NIL	

6f	Any other method of rehabilitation	NIL	NIL
6g	Cost incurred on watch and care during the year	NIL	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NIL	NIL
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	1500	1500
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NIL	
6p	Compliance of environmental monitoring (core zone and buffer zone)	To be monitored Quarterly	Being Monitored quarterly	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	_____

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM to be fed in to the crusher to get the required size	ROM is being fed in to the crusher to get the required size i.e, -25 mm	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No grade wise sorting. ROM is being fed to the crusher to get the required size	No grade wise sorting. ROM is being fed to the crusher to get the required size	
7c	Different grade of mineral sorted out at mines.	Not Applicable	Not Applicable	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	_____

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, waste dump	Yes, waste dump
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1500 plants	1500 plants
8g	Survival rate	80%	80%
8h	Water sprinkling on roads to control airborne dust	Yes, there is a proposal	Being practiced
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Online Monthly and Annual Returns are being submitted up to date	Online Monthly and Annual Returns are being submitted up to date	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer-Sri. G.Ramesh, Geologist-Sri.N.V.S.P.L.Ravikanth(Part time), Mines Manager- Sri. B.Guru Sekhar Reddy	Mining Engineer-Sri. G.Ramesh, Geologist-Sri.N.V.S.P.L.Ravikanth(Part time), Mines Manager- Sri. B.Guru Sekhar Reddy	Violation of Rule 55(3)(iii) was pointed out for appointment of Full time Geologist.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits-26.114 ha, dumps-1.087 ha	Area under pits-26.114 ha, dumps-1.087 ha	
9d	Scrutiny of Annual return on afforestation	1500 plants	1500 plants	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price-Rs.210/- Cost of Production-Rs.210/-	Ex. Mine price-Rs.210/- Cost of Production-Rs.210/-	
9h	Scrutiny of Annual return on fixed assets	Rs.90967/-	Rs.90967/-	
9k	Scrutiny of Annual return on mining machineries	Back Hoe-1.7 m3, Back Hoe-1.9 m3, Tippers-3 (10,000 m3), wheel loader-1 (1.7 m3)	Back Hoe-1.7 m3, Back Hoe-1.9 m3, Tippers-3 (10,000 m3), wheel loader-1 (1.7 m3)	

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 11(1)	12/11/2018			
MCDR17	Rule 55(1)(3)	12/11/2018			

Date :

(Ch.Suseela)

Indian Bureau of Mines