

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

**Review and updation of Mining Plan REPORT**

**Hyderabad regional office**

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

**Mine code :** 38APR07013

- (i) Name of the Inspecting : **25** ) **SHRI IBRAHIM SARIF**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : SRI GURU SHEKAR REDDY, MINES MANGER  
Official with  
Designation
- (iv) Date of Inspection : 30/08/2017
- (v) Prev.inspection date :

**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

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	25 core bore holes	04	
1d	Balance area to be explored to bring Geological axis in 1 or 2		64.00 ha	
1e	Balance reserve as on 01/04/20	111- 29.763 , 121 & 122- 24.795, 211 - 4.049	111- 29.763 , 121 & 122- 24.795, 211 - 4.049	All figures in million tonnes

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N1500 to N-2000 & E2200 to E2900, North- Eastern side of lease area	N1500 to N-2000 & E2200 to E2900, North- Eastern side of lease area	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No	Nil	
2c	Stripping ratio or ore to OB ratio	1 : 0.05	1 : 0.1	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	67514 MT	51096 MT	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Violation was pointed for non carrying out violation	

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	1282766 MT	508186 MT	
3c	Recovery of sailable/usable mineral from ROM production	95%	95%	
3d	Quantity of mineral reject generation	12000 MT	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	Nil	
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling and blasting is practised	Deep hole drilling and blasting is being practised	
3k	Provision of mining machineries in mineral benches	Back hoe : 1.3 cum- 1 no., 0.9 cum - 1 no., wheel loader : 1 no, Drilling machine : 1 no.	Back hoe : 1.3 cum- 1 no., 0.9 cum - 1 no., wheel loader : 1 no, Drilling machine : 1 no.	
3n	Ore to OB ratio for the pit/mine during the year.	Yes	Yes, 08 meter height is suitable for excavation	
3o	Total area put in use under different heads at the end of year	20.274 Ha	24.641 Ha	Lessee submitted the Document and committed to submit the FA for the area put to use
3p	Production of ROM mineral during the last five year period as applicable	2012-13 : 1.334 1213-14 : 1.328 2014-15 : Nil 2015-16 : Nil 2016-17 : 1.282	2012-13 : 0.388 1213-14 : 0.301 2014-15 : 0.265 2015-16 : 0.382 2016-17 : 0.382	

## Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Waste dump and Mineral reject to be maintained	Yes, Waste dump and Mineral reject has been maintained	
4b	Location of topsoil, OB and mineral reject dumps	Waste dump : Near ML pillat 15L	Waste dump : Near ML pillat 15L	
4c	Number of dumps within lease area and outside of lease area	One within lease area	One, within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond ultimate pit limit	Beyond ultimate pit limit	
4e	Number of active and alive dumps.	Active : One	Active : One	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	One	One	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes, retaining wall is to be constructed along the bottom periphery of waste dump	Yes, retaining wall found constructed along the bottom periphery of waste dump	
4i	Length of Retaining wall or garland drain all along dumps	300 mtrs	300 mtrs	
4j	Number of settling ponds	One	One	

## 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 proposal	Nil, No area of the lease was fully exploited	
5b	Area under backfilling of mined out area	Nil	Area within 7.5 meters was found backfilled.	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil, No fresh area excavation was noticed
5d	Total area fully reclaimed and rehabilitated	Nil	Nil

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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).	Annual report to be submit to IBM	Party has submitted annual report on PMCP	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	345	1840	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring has to be carried out in Core and buffer zones	Quarterly monitoring has to be carried out in Core and buffer zones	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Plantation is being carried our as per proposal, No reclmation is there as no area is mined out completely	

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1282768 Tonnes	512080 Tonnes	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised	Mechanised
7c	Different grade of mineral sorted out at mines.	All the minerals will be blended to bring feedable grade	All the minerals will be blended to bring feedable grade
7d	Any beneficiation process at mines	Crushing and screening	Crushing and screening
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		It was observed from the records that ore is being dumped in waste dump yard in this regard violation was pointed out to the party for rehandling

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of generation of top soil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes waste dump and mineral reject stack has to be maintained seperately	No, ore is dumped in waste dump yard	Violation was pointed under rule 11(1)
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Waste is being used to restore the boundary as per direction of competent authority.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	345 sapplinbgs	1840 sapplings	
8g	Survival rate	80%	80%	

8h	Water sprinkling on roads to control airborne dust	To suppress the air borne dust water sprinkling arrangement by deploying water tanker has to be done	Water sprinkling is being carried out for dust suppression.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		No top soil generation is noticed, to restore the boundary as per the direction of competent authority backfilling of waste is being noticed. Monitoring of air, water & noise is being carried out regularly.

#### Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual returns should be submitted regularly	Monthly and Annual returns are being submitted regularly	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	B Guru Shekar Reddy, Mining Engineer, B Ramesh Geologist	B Guru Shekar Reddy, Mining Engineer, B Ramesh. Geologist	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered underopen cast working : 51.0 Ha, Used for disposal of waste : 10 Ha Occupied by plant and building : 10 Ha	Covered underopen cast working : 51.0 Ha, Used for disposal of waste : 10 Ha Occupied by plant and building : 10 Ha	Violation was pointed out for discrepancy in area put to use
9d	Scrutiny of Annual return on afforestation	1840 no.s	1840	
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	4187.0	4187.0	As per the records maintained at mine site
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 210	Rs. 210	For Ex mine price as well as for cost of production
9k	Scrutiny of Annual return on mining machineries	BACK Hoe- 1.3 cum-1 no., BACK Hoe- 0.9 cum- 1no., Tipper- 10cum- no. 3 no., Wheel loader-3.5 cum-1 no.	BACK Hoe- 1.3 cum-1 no., BACK Hoe- 0.9 cum- 1no., Tipper- 10cum-3 no., Wheel loader-3.5 cum-1 no.	

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

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	22/12/2017			
	Rule 45(7)(i)	22/12/2017			

**Date :**

**(SHRI IBRAHIM SARIF)**

Indian Bureau of Mines