

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/GNR/LST-40/HYD

**Mine code :** 38APR07040

- (i) Name of the Inspecting : **M029** ) **MADHU SUDHAN YADAV M**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri. Chandrasekhar, Mine Manager  
Official with  
Designation
- (iv) Date of Inspection : 21/11/2019
- (v) Prev.inspection date : 15/07/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PARASAKTI LIMESTONE**
- (b) **Registration NO.** : **IBM/955/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : GUNTUR
- Village : JETTIPALEM
- Taluka : GURAZALA
- Post office : JETTIPALEM
- Pin Code : 522421
- FAX No. : 040-23735244
- E-mail : mines@parasakticement.com
- Phone : 08642211962
- (f) Police Station : RENTACHINTALA
- (g) First opening date : 18/04/2005
- (h) Weekly day of rest : SUN
2. Address for : JETTIPALEM (V), RENTACHINTALA (M),  
correspondance GUNTUR DIST.
3. (a) Lease Number : APR2609
- (b) Lease area : 137.69
- (c) Period of lease : 30
- (d) Date of Expiry : 11/10/2037
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : PARASAKTHI CEMENT IND. LTD.  
 301, 3RD FLOOR, MANJEERA  
 SQUARE, OPP. MYTHRI  
 HOSPITAL, AMEERPET  
 HYDERABAD HYDERABAD  
 TELANGANA  
 Phone: 040-23745361  
 FAX : 040-23735244

Owner : PARASAKTI CEMENT IND. LTD.  
 301, 3RD, FLOOR, MANJEERA  
 SQUARE, OPP. MYTHRI  
 HOSPITAL, AMEERPET, HYD  
 HYDERABAD TELANGANA  
 Phone: 040-23745362  
 FAX : 040-23735244

Agent : A.SAMBASIVA RAO  
 PARASAKTI CEMENT LTD.,  
 JETTIPALEM, RENTACHINTALA  
 (M) GUNTUR DIST. GUNTUR  
 ANDHRA PRADESH  
 Phone: 9866700011, 08642-223931  
 FAX :

## Mining Engineer

Name : Mr.V.Naresh Babu, Full Time  
 Qualification : B.Tech(Mining)  
 Appointment/ : 13/06/2016  
 Termination date

## Geologist

Name : M.Ramakrishna Naidu, Full Time  
 Qualification : M.Sc Tech (Geology)  
 Appointment/ : 01/09/2013  
 Termination date

## Manager

Name : G.Chandrasekhar  
 Qualification : Diploma in Mining Engineering  
 Appointment/ : 24/07/2008  
 Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	08/06/2006
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	04/05/2007
	:	Modif.of approved Mining Plan	22/06/2010
	:	Mining Scheme rule 12 MCDR1988	15/10/2015

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	13 Nos. of boreholes drilled in 2018-19 for which notice of sinking borehole is given.	
1b	Exploration over lease area for geological axis 1 or 2	G1 scale of exploration proposed during the plan period (2015-16 to 2019-20).	The entire ML aread has been explored to G1 scale of exploration.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	The lessee himself proposed to carry out exploration. Proposed exploration has not been furnished.	The lessee has outsourced exploration work to NRDCS Ltd. #3-5-886/4/A, Himayatnagar, Hyderabad-500029 and incurred expenditure of Rs.18,20,000/- as reported.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	However it will be again assessed at the time of approval of document.
1e	Balance reserve as on 01/04/20		28.151 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	East & South	N 1840500 - E 338300 N 1840200 - E 338500	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate bench proposed	Top soil being worked in seperately.	
2c	Stripping ratio or ore to OB ratio	NIL	NIL	Top soil is being worked out as Overburden.

2d	Quantity of topsoil generation in m3	NIL	15000 cu.m (19500T)
2e	Quantity of overburden generation in m3	NIL	NIL

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	1800400 T	1511389 T	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	Not Applicable	Not Applicable	
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Not Applicable	Not Applicable	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Applicable	Not Applicable	

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3j	Provision of drilling and blasting in mineral benches	Deep Hole Drilling & Blasting	1. Wet Drilling is carried out. 2. Drilling is proposed by 115mm dia wagon drill and blasting by ANFO(coloumn charge) & slurry(base charge) combination with a powder factor of 7T of cu.m.	
3k	Provision of mining machineries in mineral benches	Excavator & Dumpwer combination was proposed	Work is carried out by using 3.3cu.m shovels of 2Nos. & 1.8 cu.m shovels of 1 No. 5Nos. of 35 T dumpers along with rock drill, road rollers etc are being used.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	As per Approved Mining Plan Height of bench - 08 Mtrs & No.of Benches-02	Machinery designed is found to be suitable for the purpose	
3m	Total area covered under excavation/pits	70.328 Ha	59.217 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	Not Applicable	Not Applicable	
3o	Total area put in use under different heads at the end of year	106.799 Ha	91.159 Ha	Because of less market demand production of ROM during the year was less
3p	Production of ROM mineral during the last five year period as applicable	2014-15 - 1800072 MT 2015-16 - 1800210 MT 2016-17 - 1800072 MT 2017-18 - 1799520 MT 2018-19 - 1800440 MT	2014-15 - 1073996 MT 2015-16 - 1041621 MT 2016-17 - 1038999 MT 2017-18 - 1159606 MT 2018-19 - 1511389 MT	
3q	General remarks of inspecting officers on method of mining etc.			

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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)	Yes separate dumping proposed at location N-1837325,E-340600	Separate dumping done as per proposal	
4b	Location of topsoil, OB and mineral reject dumps	Yes separate dumping proposed at location N-1837325,E-340600	Separate dumping done as per proposal	
4c	Number of dumps within lease area and outside of lease area	1 (within lease area)	1 (within lease area)	Temporary OB stacks is been categorised as dumps.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed on mineralised zone with UPL	This temporary stack is done on mineralised area prove for presence or absence of mineral	
4e	Number of active and alive dumps.	1	1	
4f	Number of dead dumps.	0	0	
4g	Number of dumps established.	1	1	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal done	Not done	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Not done	
4j	Number of settling ponds	No proposal	Not done	
4k	Specific comments of inspecting officer on waste dump management			

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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	Area is not matured for the purpose	

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)	Proposal made	Being done accordingly
5d	Total area fully reclaimed and rehabilitated	No proposal	Not done
5e	General remarks of inspecting officers on backfilling and reclamation etc.		

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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).	Submitted in time	Submitted in time	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	1.516 Ha	1.55 Ha	
6d	No. of saplings planted during the year	2275 saplings	2425 saplings	
6e	Cumulative no .of plants	Not proposed	2425 saplings	
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year			
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not Applicable	Not done	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Applicable Not done	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	1.516 Ha was proposed for 2275 saplings	2425 saplings proposed at 1.55 Ha
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Proposed and being done regularly	Being done accordingly
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.		
6m	Compliance of rehabilitation of waste land within lease (i)afforestation		
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)		
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation		
6p	Compliance of environmental monitoring (core zone and buffer zone)		



6q General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not applicable	Not applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not applicable	Not applicable	
7c	Different grade of mineral sorted out at mines.	Not applicable	Not applicable	
7d	Any beneficiation process at mines	Not applicable	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Removal of top soil and utilized for plantation	Removal of top soil and utilized for plantation	
8b	Concurrent use or storage of topsoil	Proposed	Temporarily dumped at the site located south side as per the mining plan	

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	Not Applicable
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Applicable	Not Applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1.517 Ha 2275 Nos.	1.53 Ha 3100 Nos.
8g	Survival rate	90%	80%
8h	Water sprinkling on roads to control airborne dust	Being carried out as proposed	Water sprinklers arranged along the haul roads, crusher hopper and blasting muck pile wetting.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted as per rule	All monthly and annual returns submitted	

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri. V.Naresh Babu - Mining Engineer Sri. M.Ramakrishna Naidu - Geologist	Sri. Chintranjan - Mining Engineer Sri. M.Ramakrishna Naidu - Geologist	Mining Engineer is not having experience as per rule of 5 years. Violation has been pointed out as per rule.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	OC Workings- 59.217 Ha, Plants & Building Roads - 1 Ha, Afforestation- 30.942 Ha	No major deviation observed	
9d	Scrutiny of Annual return on afforestation	2425 saplings with 80 % survival	No major deviation observed	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL Reported	No deviation	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock- 7084 T, Production - 1511389 T, Closing stock - 78743 T	Depreciation cost found to be Rs.14/T as per submission of lessee in PART 7, whereas in accordance with PART IIA it is found to be different	Clarification sought from the lessee
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Information submitted		
9h	Scrutiny of Annual return on fixed assets	Information submitted	Machineries deployed as submitted	
9k	Scrutiny of Annual return on mining machineries			

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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)	06/12/2019	13/03/2020				
MCDR17	Rule 19(1)	06/12/2019	13/03/2020				
	Rule 45(7)	06/12/2019	13/03/2020				
MCDR17	Rule 55(1)(1)	06/12/2019	13/03/2020				

**Date :**

**(MADHU SUDHAN YADAV M)**

Indian Bureau of Mines