

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

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/GNR/L.ST-42/HYD

**Mine code :** 38APR07049

- (i) Name of the Inspecting : **S41** ) **Y M SIVA PRASAD**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Sri Ramana, Mines Manager  
Official with  
Designation
- (iv) Date of Inspection : 14/08/2018
- (v) Prev.inspection date : 18/01/2017

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MANDADI(50.41 HA) LIMESTO**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : **ANDHRA PRADESH**  
District : **GUNTUR**  
Village : **MANDADI**  
Taluka : **VELDURTHY**  
Post office : **MACHERLA**  
Pin Code : **522426**  
FAX No. : **08642-222350, (MINE OFFICE**  
E-mail : **macherla@kcp.co.in**  
Phone : **08642-222307**
- (f) Police Station : **VELDURTHY**
- (g) First opening date : **01/01/2007**
- (h) Weekly day of rest : **SUN**
2. Address for : **M/S.KCP LTD,**  
correspondance : **MACHERLA (P),**  
 : **GUNTUR DIST**
3. (a) Lease Number : **APR1344**
- (b) Lease area : **50.41**
- (c) Period of lease : **30**
- (d) Date of Expiry : **19/09/2027**
4. Mineral worked : **LIMESTONE** Main

## 5. Name and Address of the

Lessee : M/S K.C.P.LTD  
MACHERLA CEMENT UNIT  
MACHERLA GUNTUR ANDHRA  
PRADESH  
Phone:  
FAX :

Owner : M/S.KCP LTD%  
M/S.KCP LTD,MACHERLA(PO),  
GUNTUR DIST. GUNTUR ANDHRA  
PRADESH  
Phone:  
FAX :

Agent : S.HARINADHA BABU  
C/O KCP LTD MACHERLA GUNTUR  
DISTRICT GUNTUR ANDHRA  
PRADESH  
Phone:  
FAX :

## Mining Engineer

Name : A.RADHAKRISHNA,Full Time  
Qualification : B.E(MINING)  
Appointment/ : 23/12/2006  
Termination date

## Manager

Name : K.V.RAMANA  
Qualification : L.M.E  
Appointment/ : 19/04/2003  
Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	09/10/2007
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	13/03/2013
	:	MP modif under 17(3) MCR 2016	09/12/2016
	:	MP review under 17(1) MCR 2016	25/09/2017

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	N I L	-----	
1b	Exploration over lease area for geological axis 1 or 2	No proposals	N I L	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposals	N I L	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposals	Exploration carried out of G1 category.	
1e	Balance reserve as on 01/04/20	0.818 million tonnes.	0.803 million tonnes.	
1f	General remarks of inspecting officers on geology, exploration etc	None	-----	None

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 26 -- N 82, W 1329 -- W 1464	N 26 -- N 82, W 1329 -- W 1464	----
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Two benches in ore and one bench in overburden.	Two benches in ore and one bench in overburden is observed during inspection	
2c	Stripping ratio or ore to OB ratio	1 : 0	1 : 0	
2d	Quantity of topsoil generation in m3	200 cum.	150 cum	
2e	Quantity of overburden generation in m3	No proposals	-----	

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit.	One pit	NONE
3b	Quantity of ROM mineral production proposed	66900 tonnes.	15000 tonnes.	NONE
3c	Recovery of sailable/usable mineral from ROM production	66900 tonnes	15000 tonnes	NONE
3d	Quantity of mineral reject generation	No proposals	Does not arise.	NONE
3e	Grade of mineral rejects generation and threshold value declared.	No proposals	There is no generation of sub grade mineral.	NONE
3f	Quantity of sub grade mineral generation.	No proposals	N I L	NONE
3g	Grade of sub grade mineral generation	No proposals	N I L	NONE
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.	NONE
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposals	N I L	N I L
3j	Provision of drilling and blasting in mineral benches	Proposed.	Deep hole drilling and balasting is carried out in mineral benches.	NONE
3k	Provision of mining machineries in mineral benches	Proposal of using of machineries in mineral benches.	Mechineries are used in in meniral benches.	None.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 meters .	6 meters bench height and width is more than the bench height is maintained. and it is suitable for method of mining.	NONE

3m	Total area covered under excavation/pits	34.788 ha.	34.788 ha.
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0	1 : 0
3o	Total area put in use under different heads at the end of year	47.066 ha,	47.066 ha
3p	Production of ROM mineral during the last five year period as applicable	2013-14 = 519750 tonnes 2014-15 = 550750 tonnes 2015-16 = 310175 tonnes. 2016-17 = 266352 tonnes 2017-18 = 66900 tonnes.	2013-14 = 3,83,000 tonnes 2014-15 = 2,86,000 tonnes 2015-16 = 2,35,000 tonnes. 2016-17 = 1,0,25000 tonnes. 2017-18 = 15,000 tonnes

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposals	There is generation of very minimum top soil in the mine used for plantation purpose.	NONE
4b	Location of topsoil, OB and mineral reject dumps	No proposals	N I L	NONE
4c	Number of dumps within lease area and outside of lease area	One dump	One dump with in ML area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Between Grids N 06 TO S 100 AND W 1327 TO W 1425.	Between Grids N 06 TO S 100 AND W 1327 TO W 1425.	
4e	Number of active and alive dumps.	One.	One active dump.	NONE
4f	Number of dead dumps.	No proposals	N I L	NONE
4g	Number of dumps established.	No proposals	N I L	NONE

4h	Whether Retaining wall or garland drain all along dumps are there.	No proposals	N I L	NONE
4i	Length of Retaining wall or garland drain all along dumps	Does not arise.	N I L	NONE
4j	Number of settling ponds	No proposals	N I L	NONE.
4k	Specific comments of inspecting officer on waste dump management	Single Dump	Single Dump. Within ML area.	NONE

#### 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.	Mined out area.	Entire mineral exhausted before starting of backfilling.	Entire mineral exhausted before starting of backfilling.
5b	Area under backfilling of mined out area	2.18 ha	1.20 ha.	1.20 ha.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals	N I L	N I L
5d	Total area fully reclaimed and rehabilitated	Proposed.	Mined out area reclaimed & rehabilitated as per proposal.	Mined out area reclaimed & rehabilitated as per proposal.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NONE	NONE	NONE

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Annual Report has to be submitted as per Statuante.	Lessee has submitted Yearly report for the year 2017-18.	NONE
6b	Area available for rehabilitation (ha) .	No proposals	N I L	N I L
6c	afforestation done (ha).	2.32 HA	1.2 HA.	NONE
6d	No. of saplings planted during the year	1150 Saplings	1100 Saplings.	NONE.
6e	Cumulative no .of plants	10,000 Saplings	9460 Saplings	NONE.
6f	Any other method of rehabilitation	No proposals	N I L	NONE.
6g	Cost incurred on watch and care during the year	No proposals	N I L	NONE
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposals.	N I L	NONE
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals	N I L	NONE
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	10,000 Saplings	9460 Saplings	NONE.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals	N I L	NONE

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposals	N I L	NONE.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	10,000 pLANTS.	9460 Plants.	NONE
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Proposed.	As per proposals.	NONE
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposals.	N I L	NONE.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed.	Environmental monitoring is maintained by third party once in Quarter.	Environmental monitoring is maintained by third party once in Quarter.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NONE	NONE	NONE

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	15000 tonnes.	15000 tonnes	NONE.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposals	N I L.	NONE.
7c	Different grade of mineral sorted out at mines.	No proposals	N I L	NONE.

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7d	Any beneficiation process at mines	No proposals	N I L	NONE
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NONE	NONE	NONE

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals.	N I L	NONE
8b	Concurrent use or storage of topsoil	Proposed	Top soil produced is used concurrently used for plantation.	NONE.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposals.	N I L	NONE.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals.	N I L	NONE.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals	N I L	NONE.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	450 Plants.	1100 Plants within ML area. 500 Plants Outside ML area.	NONE.
8g	Survival rate	No proposals	95%.	NONE.

8h	Water sprinkling on roads to control airborne dust	Proposed.	Water sprinkling is done by water tanker to arrest air born dust on hauls & roads.	None.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	None

#### Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns and Annual returns are to be submitted as per statue.	Lessee has submitted Monthly returns and Annual return for the year 2017-18 through ON-Line.	NONE.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer : V.Venkata Ramana. Mines Manager : V. Venkata Ramana	Mining Engineer : V.Venkata Ramana. Mines Manager : V. Venkata Ramana	NONE
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits = 38.735 ha. Plant = 8.260 ha. Reclaimed area = 12.6 ha.	Area under pits = 38.735 ha. Plant = 8.260 ha. Reclaimed area = 12.6 ha.	NONE.
9d	Scrutiny of Annual return on afforestation	350 PLANTS	1100 PLANTS.	NONE
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral rejects.	There is no generation of mineral rejects	NONE
9f	Scrutiny of Annual return on ROM stock and/or graded ore	15000 Tnnes.	15000 Tonnes.	NONE.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-Mine Price = Rs 324.60	Ex-Mine Price = Rs 324.60	Lime stone is used for their own Cement Plant.

9h	Scrutiny of Annual return on fixed assets	Not Mentioned.	Not Given.	NONE	
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) 3.600 CUM 1 Non Electrical Opencast	SHOVEL (HYDRAULIC) 4.200 CUM 1 Non Electrical Opencast	SHOVEL (HYDRAULIC) 3.600 CUM 1 Non Electrical Opencast SHOVEL (HYDRAULIC) 4.200 CUM 1 Non Electrical Opencast DUMPER 35.000 TONNE 4 Non Electrical Opencast FRONT END LOADER 1.800 CUM 1 Non Electrical Opencast DUMPER 35.000 TONNE 4 Non Electrical Opencast AIR COMPRESSOR 450.000 CUM/MN 1 Non Electrical Opencast ROCK DRILL (NON-ELEC.) 115.000 MM 1 Non Electrical Opencast EXPLOSIVE VAN 2.500 TONNE 1 Non Electrical Opencast WATER TANKER 9000.000 LITRE 1 Non Electrical	SHOVEL (HYDRAULIC) 3.600 CUM 1 Non Electrical Opencast SHOVEL (HYDRAULIC) 4.200 CUM 1 Non Electrical Opencast DUMPER 35.000 TONNE 4 Non Electrical Opencast FRONT END LOADER 1.800 CUM 1 Non Electrical Opencast DUMPER 35.000 TONNE 4 Non Electrical Opencast AIR COMPRESSOR 450.000 CUM/MN 1 Non Electrical Opencast ROCK DRILL (NON-ELEC.) 115.000 MM 1 Non Electrical Opencast EXPLOSIVE VAN 2.500 TONNE 1 Non Electrical Opencast WATER TANKER 9000.000 LITRE 1 Non Electrical

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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

Date :

(Y M SIVA PRASAD)

Indian Bureau of Mines