

**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 : PG01 ) P.GURUVAIAH  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : V.Venkata Ramana , Mines Manager.  
Official with  
Designation
- (iv) Date of Inspection : 18/01/2017
- (v) Prev.inspection date : 17/11/2015

**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 correspondance** : M/S.KCP LTD,  
MACHERLA (P),  
GUNTUR DIST
3. (a) **Lease Number** :
- (b) **Lease area** :
- (c) **Period of lease** :
- (d) **Date of Expiry** :
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 Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	09/10/2007
		Mining Scheme rule 12 MCDR1988	13/03/2013
		MP modif under 17(3) MCR 2016	09/12/2016

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal.	Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	7 Bore holes (100mts)	7 Bore holes(100mts)	7 Bore holes(100mts).
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	NRDCS,hyderabad. Rs=1.88 Lakhs.	NRDCS,hyderabad. Rs=1.88 Lakhs.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil	Nil
1e	Balance reserve as on 01/04/20	0.358 Million Tons.	0.358 Million Tons.	0.358 Million Tons.
1f	General remarks of inspecting officers on geology, exploration etc	7 bore holes (100mts).	7 bore holes (100mts).	7 bore holes (100mts).

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NN, to OO,	NN, to OO,.	NN, to OO,.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	O.B- 1 Bench, LST-2nd, &3 rd, Bench.	O.B- 1 Bench, LST-2nd, &3 rd, Bench.	O.B- 1 Bench, LST-2nd, &3 rd, Bench.
2c	Stripping ratio or ore to OB ratio	No proposal.	Nil	Nil
2d	Quantity of topsoil generation in m3	No proposal.	Nil	Nil
2e	Quantity of overburden generation in m3	2,25,420 Tons.	1,58,250 Tons.	1,58,250 Tons.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	As per the approved Mining plan.	As per the approved Mining plan.	As per the approved Mining plan.
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 pit	1 pit	1 pit
3b	Quantity of ROM mineral production proposed	3,10,175 Tons.	2,35,000 Tons.	2,35,000 Tons.
3c	Recovery of sailable/usable mineral from ROM production	3,10,175 Tons.	2,35,000 Tons.	2,35,000 Tons.
3d	Quantity of mineral reject generation	No proposal.	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil	Nil
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	Nil
3g	Grade of sub grade mineral generation	No proposal.	Nil	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	As per proposal.	As per proposal.	As per proposal.
3k	Provision of mining machineries in mineral benches	As per proposal.	As per proposal.	as per proposal.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	O B-8 mts,Mineral-7 mts.	O.B-8 mts,Mineral-6.8 mts.	O.B-8 mts,Mineral-6.8 mts.
3m	Total area covered under excavation/pits	Not Specified.	38.435 ha.	38.435 ha.
3n	Ore to OB ratio for the pit/mine during the year.	No proposal.	Nil	Nil
3o	Total area put in use under different heads at the end of year	Not Specified.	48.875 ha.	48.875 ha.
3p	Production of ROM mineral during the last five year period as applicable	2011-12 =5,51,450 Tons.; 2012-13 =5,51,450 Tons; 2013-14 =5,19,750 Tons; 2014-15 =5,50,750 Tons; 2015-16 =3,10,175 Tons.	2011-12 =4,90,000 Tons; 2012-13 =4,25,000 Tons; 2013-14 =3,83,000 Tons; 2014-15 =2,86,000Tons; 2015-16 =2,35,000 Tons.	2011-12 =4,90,000 Tons; 2012-13 =4,25,000 Tons; 2013-14 =3,83,000 Tons; 2014-15 =2,86,000Tons; 2015-16 =2,35,000 Tons.
3q	General remarks of inspecting officers on method of mining etc.	Open cast Mechanaised Method.	open cast Mechanaised Method.	open cast Mechanaised Method.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal.	Nil	Nil
4b	Location of topsoil, OB and mineral reject dumps	S00-S150/W1150-1325	S00-S150/W1150-1325	S00-S150/W1150-1325
4c	Number of dumps within lease area and outside of lease area	Single dump within lease area.	Single dump within lease area.	Single dump within lease area.

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Nil	Nil
4e	Number of active and alive dumps.	1 dump.	1 dump	1 dump.
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.	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil	Nil
4j	Number of settling ponds	No proposal.	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Single dump within lease.	Single dump within lease.	Single dump within lease.

#### 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 ha	1 ha.
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	As per proposal.	Mined out aera reclaimed & rehabilitated as per proposal.	Mined out aera reclaimed & rehabilitated as per proposal.

5e	General remarks of inspecting officers on backfilling and reclamation etc.	As per proposal.	Mined out aera reclaimed &rehabilitated as per proposal.	Mined out aera reclaimed &rehabilitated as per proposal.
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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).	No proposal.	Nil	Nil
6b	Area available for rehabilitation (ha) .	2.18 ha.	1 ha.	1 ha.
6c	afforestation done (ha).	1100 Nos.	1150 Nos.	1150 Nos.
6d	No. of saplings planted during the year	1100 Nos.	1150Nos.	1150 Nos.
6e	Cumulative no .of plants	7260 Nos.	7260 Nos.	7260 nos.
6f	Any other method of rehabilitation	No proposal.	Nil	Nil
6g	Cost incurred on watch and care during the year	No proposal.	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx 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 on backfilled area	7260 Nos.	7260 Nos.	7260 Nos.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	As per proposal.	As per proposal	As per proposal.
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	7260 Nos.	7260 Nos.	7260 Nos.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	14.18 ha.	13.6 ha.	13.6 ha.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	To be filled with OB.	To be filled with OB.	To be filled with OB.
6p	Compliance of environmental monitoring (core zone and buffer zone)	As per proposal.	Environmental monitoring by third party once in quarter.	Environmental monitoring by third party once in quarter.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	As per proposal.	As per proposal.	as per proposal.

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal.	Nil	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal.	Nil	Nil
7c	Different grade of mineral sorted out at mines.	No proposal.	Nil	Nil
7d	Any beneficiation process at mines	No proposal.	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal.	Nil	Nil

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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	As per proposal.	Used for plantation.	Used for plantation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposl.	No separate dump.	No separate dump.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Used for backfilling in mined out area.	Used for backfilling in mined out area.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	As per proposal.	As per proposal.	As per proposal.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	As per proposal.	Plantation done as per proposal.	Plantation done as per proposal.
8g	Survival rate	as per proposal.	95%	95%
8h	Water sprinkling on roads to control airborne dust	As per proposal.	12 KL water tanker used for water sprinkling.	12 KL water tanker used for water sprinkling.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No proposal.	Except degraded pit rest of area not distrubed.	Except degraded pit rest of area not distrubed.

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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.	submitted.	Submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	yes.	Yes.	Yes.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes.	yes.	yes.
9d	Scrutiny of Annual return on afforestation	yes.	yes.	yes.

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	yes.	Yes.	yesw.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No proposal.	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes.	Yes.	Yes.
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	yes.	Yes.	yes.

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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 :**

(P.GURUVAIAH)

Indian Bureau of Mines