

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/GNR/LST-44/HYD

**Mine code :** 38APR07051

- (i) Name of the Inspecting : **PG01** ) **P.GURUVAIAH**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : S. Prasad , 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** : **TERALA(49.18 HA)**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : ANDHRA PRADESH  
District : GUNTUR  
Village : TERLA  
Taluka : DURGI  
Post office : MACHERLA  
Pin Code : 522426  
FAX No. : 08642222350  
E-mail : it.macherla@kcp.co.in  
Phone : 08642222303
- (f) Police Station :
- (g) First opening date : 08/12/2009
- (h) Weekly day of rest : SUN
2. Address for : TERALA VILLAGE  
correspondance : DURGI MANDAL  
GUNTUR DISTRICT
3. (a) Lease Number : APR2597  
(b) Lease area : 49.18  
(c) Period of lease : 20  
(d) Date of Expiry : 11/12/2028
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : M/S.KCP LTD  
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 :

Manager  
Name : S.PRASAD  
Qualification : DIPLOMA IN MINING  
Appointment/ : 18/01/2010  
Termination date

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 20/10/2014  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2014-15	2015-16	20 bore holes (600 mts) completed in 2015-16.
1b	Exploration over lease area for geological axis 1 or 2	20 bore holes (600mts)	20 bore holes (600 mts)	20 bore holes with 30 mt (600mts) completed.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specified	NRDCS,Hyderabad ,Rs= 11.15 Lakhs.	NRDCS,Hyderabad ,Rs= 11.15 Lakhs.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil	No specific proposal.
1e	Balance reserve as on 01/04/20	1.15 Million Tonnes.	1.15 Million Tonnes.	None.
1f	General remarks of inspecting officers on geology, exploration etc	None	None	20 bore holes (600mts) completed in2015-16.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	EE,FF,GG, RL 160-153.	EE,FF,GG, RL 160-153.	Workings are in North side of the mine.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Mineral	Mineral	The soil has patchy distribution and is not present everywhere.
2c	Stripping ratio or ore to OB ratio	1 : 0.03	1 : 0.03	Nil
2d	Quantity of topsoil generation in m3	1974 tons	1974 tons.	what ever topsoil is generating is utilising for plantation.
2e	Quantity of overburden generation in m3	7898 tonnes	7898 tonnes.	Stocking in dumpyard.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	EE,FF,GG, RL 160-153	EE,FF,GG, RL 160-153	South side benches are water logged and workings are in North side
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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	3,00,353 tons.	3,00,000 tons.	3,00,000 tons.
3c	Recovery of sailable/usable mineral from ROM production	3,00,353 tons	3,00,000 tons.	3,00,000 tons.
3e	Grade of mineral rejects generation and threshold value declared.	Not Specified	Nil	Nil
3f	Quantity of sub grade mineral generation.	No Specified.	Nil	Nil
3g	Grade of sub grade mineral generation	Not Specified.	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Not Specified.	Nil	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Specified.	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	As per the proposal.conventional blasting.	As per the proposal. conventional blasting.	conventional blasting.
3k	Provision of mining machineries in mineral benches	As per the proposal.	As per the proposal.excavator	As per the proposal.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height 8 mts.	Bench height 7.5 mts.	Bench height 7.5mts.
3m	Total area covered under excavation/pits	6.010 ha	6.010 ha.	6.010 ha.
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.02	1 : 0.02	1 : 0.02
3o	Total area put in use under different heads at the end of year	7.147 ha.	7.147 ha.	7.147 ha.
3p	Production of ROM mineral during the last five year period as applicable	As per two years 6,06,766 tons.	As per two years 5,40,000 tons.	As per the two years 5,40,000 tons.
3q	General remarks of inspecting officers on method of mining etc.	As per the proposal.	Asper the proposal.	As per the proposal.

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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)	As per the proposal.	As per the proposal.	As per the proposal.
4b	Location of topsoil, OB and mineral reject dumps	O. B dump proposed North side	O.B dump proposed North side	O.B dump proposed North side.
4c	Number of dumps within lease area and outside of lease area	1 dump within the lease.	1 dump within the lease.	1 dump within the lease.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Specified.	1 dump	1 dump.
4e	Number of active and alive dumps.	1 dump.	1 dump	1 dump.
4f	Number of dead dumps.	Not Specified.	Nil	Nil

4g	Number of dumps established.	No proposal	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Specified.	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil	Nil

#### 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.	Nil	Nil
5b	Area under backfilling of mined out area	No proposal.	Nil	Nil
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	No proposal.	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal.	Nil	Nil

#### 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) .	No proposal.	Nil	Nil
6c	afforestation done (ha).	1 ha	1 ha	1 ha.
6d	No. of saplings planted during the year	2000 Nos.	1450 Nos.	1450 Nos.
6e	Cumulative no .of plants	2750 nos.	2750 Nos.	2750 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 backfilled area	No proposal.	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	Nil
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	No proposal.	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	No 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.	No proposal.	Nil	Nil

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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)	As per proposal.	Used for plantation.	Used for plantation.
8b	Concurrent use or storage of topsoil	Not Specified	Used for plantation.	Used for plantation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil	nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil	Nil
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	Not Specified.	95%	95%.
8h	Water sprinkling on roads to control airborne dust	Not Specified.	9 KL water tanker used for water sprinkling.	9 KL water tanker used for water sprinkling.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not Specified.	Except degraded land area and other surrounding area is not distrubed.	Except degraded land area and other surrounding area is 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	Yes.	Yes.	Submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes.	Yes.	Submitted.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes.	Yes.	Submitted.
9d	Scrutiny of Annual return on afforestation	yes.	yes.	Submitted.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	yes.	Yes.	Submitted.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes.	Yes.	Submitted.
9h	Scrutiny of Annual return on fixed assets	Yes.	Yes.	Submitted.
9k	Scrutiny of Annual return on mining machineries	yes.	Yes.	submitted.

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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