

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/GNR/LST-49/HYD

**Mine code :** 38APR07065

- (i) Name of the Inspecting : **M017** ) **MANISH K MAINDIRATTA**  
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sh V Venkatramana, Sh S Prasad and others  
Official with  
Designation
- (iv) Date of Inspection : 17/01/2020
- (v) Prev.inspection date : 30/10/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KCP LIMESTONE DEPOSIT-I**
- (b) **Registration NO.** : **IBM/680/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : GUNTUR
- Village : MANDADI BLOCK II RF
- Taluka : VELDURTHY
- Post office : MANDADI
- Pin Code : 522426
- FAX No. : 08642-222350
- E-mail : mines.macherla@kcp.co.in
- Phone : 08642222303
- (f) Police Station : Veldurthy
- (g) First opening date : 08/07/2016
- (h) Weekly day of rest : SUN
2. Address for : The KCP Ltd  
correspondance Macherla-522426  
Guntur district, AP
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 : DR.V.L.DUTT,C&MD  
2,P.V. CHERIAN CRESCENT,  
CHENNAI,TAMIL NADU.  
CHENNAI CITY TAMIL NADU  
Phone: 4466772600  
FAX : 4466772620

Agent : B V P S Chowdhary  
M/s KCP Cements Macherla-  
522426 Andhra Pradesh  
GUNTUR ANDHRA PRADESH  
Phone: 08642-222303  
FAX : 08642-222350

## Mining Engineer

Name : V.Ravi Kanth,Full Time  
Qualification : B.Tech(Mining)  
Appointment/ : 12/03/2018  
Termination date

## Geologist

Name : P.Manohar Reddy,Full Time  
Qualification : M.Sc(Geology)  
Appointment/ : 06/03/2019  
Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	06/02/2015
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	09/04/2019

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2018-19- No proposal pending for exploration	2018-19= No exploration undertaken	
1b	Exploration over lease area for geological axis 1 or 2	Entire lease area was covered under G1 level of exploration.	No further exploration required	Exploration work done in 2017-18= 7 cbh (total 230m drilling)
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	Entire lease area was covered under G1 level of exploration.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	-	
1e	Balance reserve as on 01/04/20	Nil	Nil	
1f	General remarks of inspecting officers on geology, exploration etc	Resource/ Reserves reassessed as on 31/8/2018 in MMP 111=1.45mT 211=0.576mT Total 2.026mT	Depletion 1/9/2018- 31/3/2019=0.005T Balance Resource/ Reserves reassessed as on 31/8/2018 111=1.445mT 211=0.576mT Total 2.026mT	MMP approved on 9/4/2019

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2018-19 is the third year of plan period. And working was proposed in E329450-329600 N1816500-1816575	E329500-329600 N1816570-1816520	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Suppose to work the soil separately.	The soil is worked separately. The the soil is separated by machine while excavating , wherever possible.	

2c	Stripping ratio or ore to OB ratio	LST:Soil= 1T:0.73cu m	Lst:Soil =1T:0.062cu m	Area is having soil/ morram at the surface followed by mineral bed.
2d	Quantity of topsoil generation in m3	830 cu m soil generation anticipated in 2018-19	About 500T (about 310 cum) top soil reportedly generated in 2018-19 and used for plantation.	Mine is not being worked since Sept 2019.
2e	Quantity of overburden generation in m3	Nil	Nil	Only about 500 T of soil is generated.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	In the lease there is instance of moral/ soil pockets which are there as overburden and intercalated material in the crevices. Only soil dump is observed.		

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Only one pit was proposed for production pit	Production has been taken from one pit only.	
3b	Quantity of ROM mineral production proposed	2018-19=6225 T	2018-19=5000T	
3c	Recovery of sailable/usable mineral from ROM production	99%	99%	Almost entire ROM is used as limestone except for the intercalated material.
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	

3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	Drilling using 115mm dia drill holes, blasting using ANFO- slurry proposed	Drilling using 115mm dia drill holes, blasting using ANFO- slurry is being practiced	
3k	Provision of mining machineries in mineral benches	Back hoe 1.7 cu m) ,Tipper (17 cu m) ,Compressor, Rock Drill proposed	Back hoe 1.7 cu m) ,Tipper (17 cu m) ,Compressor, Rock Drill used	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM		Height of bench is suitable for method of mining.	Common machinery is used.
3m	Total area covered under excavation/pits	2.66 ha proposed under pit till 2020-2021 as perMMP approved on 9/4/2019.	0.3 ha till 31/3/2019	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.73 (Tonne per cu m	5000 T:500 T soil (310 cum)  .e, about 1:0.062 (Tonnes per cu m )	
3o	Total area put in use under different heads at the end of year	3.38 ha proposed to be put to use till 2020-2021 as per MMP approved on 9/4/2019.	0.3ha under pit. and about 0.13hectare is under green belt.	

3p	Production of ROM mineral during the last five year period as applicable	2016-17=nil 2017-18=6225 T 2018-19= 6375 T	2016-17=nil 2017-18=6100 T 2018-19= 5000 T	No production since September19.
3q	General remarks of inspecting officers on method of mining etc.	<p>Mine was initially approved for a production capacity of 6375 T per annum and later production proposal increased to 1 lac tonnes per annum of limestone.</p> <p>Mine is found to be not working due to want of Environment Clearance. The previous Environment Clearance expired on 20/9/2019.</p>		

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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	
4b	Location of topsoil, OB and mineral reject dumps	Soil generation was proposed to be used for plantation	It is used for plantation	500T i.e, About 310 cu m was generated and used.
4c	Number of dumps within lease area and outside of lease area	Nil	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	NA	

4e	Number of active and alive dumps.	NIL	NA
4f	Number of dead dumps.	NIL	NA
4g	Number of dumps established.	NIL	NA
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	NA
4i	Length of Retaining wall or garland drain all along dumps	NIL	NA
4j	Number of settling ponds	NIL	NA
4k	Specific comments of inspecting officer on waste dump management	NIL	NA

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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.	Area is not mature for backfilling at present	Area is not mature for the purpose of it	
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)	Concurrent use proposed		
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
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).	-	Not submitted	
6b	Area available for rehabilitation (ha) .	No proposal for rehab. of worked out benches	Not done	
6c	afforestation done (ha).	No proposal for rehab. of worked out benches	Not done	
6d	No. of saplings planted during the year	No proposal for rehab. of worked out benches	Not done	
6e	Cumulative no .of plants	No proposal for rehab. of worked out benches	Not done	
6f	Any other method of rehabilitation	No proposal for rehab. of worked out benches	Not done	
6g	Cost incurred on watch and care during the year	No proposal for rehab. of worked out benches	Not done	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal for rehab. of worked out benches	Not done	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal for rehab. of worked out benches	Not done	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No proposal for rehab. of worked out benches	NOT done	



6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal for rehab. of worked out benches	Not done
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal for rehab. of worked out benches	Not done
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	360 saplings over 0.45 hectare area proposed in 2018-19	350 saplings planted over 0.13 hectare area.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	360 saplings over 0.45 hectare area proposed in 2018-19	350 saplings planted over 0.13 hectare area.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Not done
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring is done regularly.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

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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 for grade wise sorting was there	Not done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	NA	
7c	Different grade of mineral sorted out at mines.	No proposal	NA	
7d	Any beneficiation process at mines .	No proposal	No beneficiation was proposed or done.	Only size reduction is done at the crusher installed in Mandadi Mines.
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)	Soil proposed to be worked separately	Top soil generated is concurrently used for plantation in the 7.5m buffer zone.	
8b	Concurrent use or storage of topsoil	Proposed	Done accordingly	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	No separate dump	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	No proposal	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	No proposal
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	360 saplings over 0.45 hectare area proposed in 2018-19	350 saplings planted over 0.13 ha. (300m *7.5m) area
8g	Survival rate	-	90%
8h	Water sprinkling on roads to control airborne dust		12 KL water tanker used for Water sprinkling
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 monthly	Submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	V.Ravi Kanth Geologist -Nil P Manohar Reddy - Mining Engineer		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	0.3 ha Pit	0.3 ha Pit	About 0.13 hectare area is covered under green belt plantation

9d	Scrutiny of Annual return on afforestation	350 saplings within Ml and 900 saplings outside ML	About 0.13 hectare area is covered under green belt plantation
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	As per submission
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening Bal- Nil Prod- 5000T Cl.bal=NIL	As per submission
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	324/-	Ex mine price has been submitted as equal to CoP and includes transportation cost outside the lease area as well.
9h	Scrutiny of Annual return on fixed assets		
9k	Scrutiny of Annual return on mining machineries	Submitted	Mine is not producing. Since Sept 2020, so no machinery is there at the site during inspection.

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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 28(1)	27/02/2020			
MCDR17	Rule 26(2)	27/02/2020			
MCDR17	Rule 45(7)(a)	27/02/2020			

**Date :**

**(MANISH K MAINDIRATTA)**

Indian Bureau of Mines