

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

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/KSN/LST-26/HYD

**Mine code :** 38APR10027

- (i) Name of the Inspecting : **RK13** ) **A.V.Ramesh Kumar**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri B Anil Kumar Sr.DGM(Mines)  
Official with  
Designation
- (iv) Date of Inspection : 14/07/2018
- (v) Prev.inspection date : 07/03/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MUKTYALA (368.35 HA)**
- (b) **Registration NO.** : **IBM/680/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : ANDHRA PRADESH  
District : KRISHNA  
Village : MUKTYALA  
Taluka : JAGGAYYAPETA  
Post office : MUKTYALA  
Pin Code : 521175  
FAX No. : 08654-296009  
E-mail : mines.rkpuram@kcp.co.in  
Phone : 08654-296006
- (f) Police Station : MUKTYALA
- (g) First opening date : 10/08/2007
- (h) Weekly day of rest : SUN
2. Address for : M/S KCP LIMITED MUKTYALA VILLAGE  
correspondance : JAGGAIHPET MANDAL  
KRISHNA DISTRICT
3. (a) Lease Number : APR1734
- (b) Lease area : 368.4
- (c) Period of lease : 30
- (d) Date of Expiry : 20/02/2032
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:  
 FAX :

Agent : SRI G.V.K.PRASAD  
 PROJECT  
 OFFICE, RAMAKRISHNAPURAM,  
 UNIT-II, THE K.C.P. LTD,  
 MUKTHYLA, KRISHNA DIST.  
 521175 GUNTUR ANDHRA  
 PRADESH  
 Phone: 9491296003  
 FAX :

## Manager

Name : B.ANIL KUMAR  
 Qualification : B.E.(MINING) DATE OF APPOINTMENT ON 10  
 Appointment/ : 10/08/2007  
 Termination date

6. Date of approval of Mining	:	PMCP under 23B(2) for Existing	06/07/2011
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	03/01/2012
		Mining Scheme rule 12 MCDR1988	14/12/2012
		MP modif under 17(3) MCR 2016	29/12/2016

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	66 CBH	Carried out exploration by way of 66 CBH during the year 2017-18.	None
1b	Exploration over lease area for geological axis 1 or 2	--	The total area under G1 is 345.90 ha and G2 is 22.45 ha.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	NRDCS was appointed as the exploration agency. The total expenditure for exploration carried out as reported by lessee is Rs.42,26,915/-	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	---	The balance area to be upgraded to G1 is 22.45 ha	None
1e	Balance reserve as on 01/04/20	---	172.245 Million tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	None	None	None

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit-1 to be developed on East, West & South sides between gridlines N447-N1030 & W1787-W2457.	The same was noticed during the inspection.	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No benches proposed in OB and 4 benches in ore.	No benches on OB were observed. Four benches in ore have been observed.	None
2c	Stripping ratio or ore to OB ratio	Nil	Nil	None

2d	Quantity of topsoil generation in m3	It was proposed to generate 1000 Cu.m of topsoil during 2017-18.	No topsoil was generated during 2017-18	None
2e	Quantity of overburden generation in m3	None	None	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None	None

#### Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One pit was proposed	One pit was observed.	None
3b	Quantity of ROM mineral production proposed	2 Million tonnes was proposed during 2017-18	1.955 Million tonnes was reportedly produced during 2017-18.	None
3c	Recovery of available/usable mineral from ROM production	Entire ROM will be consumed in Captive cement plant	Entire ROM is being consumed in the captive cement plant	None
3d	Quantity of mineral reject generation	None	None	None
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None
3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	None

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	Entire ROM is consumed in the captive plant of the lessee.
3j	Provision of drilling and blasting in mineral benches	Proposals have been made for drilling and blasting in mineral benches	It has been observed that provision has been made for drilling and blasting in mineral benches.	None
3k	Provision of mining machineries in mineral benches	Proposals have been made for utilising mining machineries in mineral benches.	It has been observed that provision has been made for using mining machinery such as excavator/tipper/wagon drill in mineral benches.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It is proposed to maintain a height of 8m in the mineral benches.	It has been observed that 8 meter height is maintained in the mineral benches.	None
3m	Total area covered under excavation/pits	32.14 ha	32.19 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0	None
3o	Total area put in use under different heads at the end of year	60.96 ha	61.01 ha	None
3p	Production of ROM mineral during the last five year period as applicable	2013-14 - 1.9 million tonnes 2014-15-4.5 million tonnes 2015-16-4.5 million tonnes 2016-17-3.2 million tonnes 2017-18-2 million tonnes	2013-14-1.2 million tonnes 2014-15-1.3 million tonnes 2015-16-1.3 million tonnes 2016-17-1.65 million tonnes 2017-18-1.95 million tonnes	None
3q	General remarks of inspecting officers on method of mining etc.	None	None	None

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	None	None	None
4b	Location of topsoil, OB and mineral reject dumps	None	None	None
4c	Number of dumps within lease area and outside of lease area	None	None	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	None	None
4e	Number of active and alive dumps.	None	None	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	None	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	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.	There is no proposal for backfilling or reclamation during 2017-18	No reclamation was carried out during 2017-	None
5b	Area under backfilling of mined out area	None	None	None

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	None
5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	None

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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).	It was proposed to submit yearly report.	No report was submitted.A violation was issued to the lessee.	None
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	It was proposed to plant 500 no.s duiring 2017-18.	It was observed that 500 no.of saplings were planted duiring 2017-18	None
6d	No. of saplings planted during the year	500	500	None
6e	Cumulative no .of plants	--	5550	None
6f	Any other method of rehabilitation	None	none	None
6g	Cost incurred on watch and care during the year	--	--	None
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	None	None	None

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	None	None	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	None	None	None
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	None	None	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out environmental monitoring of the parameters quarterly.	Quarterly monitoring of the environmental monitoring is being done regularly. And it was observed that all the parameters are within permissible limits	None



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	There is no proposal for dispatch of grade wise mineral.	Entire ROM was utilised in the captive cement plant.	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	None
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines	None	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	1000 Cu.m proposed during 2017-18	No topsoil was generated during the year 2017-18	None
8b	Concurrent use or storage of topsoil	None	None	None

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	None	None	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation:155 0 no.s Area 0.25 ha	800 no.s 0.25 ha	None
8g	Survival rate	80%	80%	None
8h	Water sprinkling on roads to control airborne dust	Proposed to utilise sprinkling of water in the lease for dust suppression.	It was observed that water psrinklers are utilised for dust suppression.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	None

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	--	Monthly and annual returns being submitted regularly.	None

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	--	It was reported that Sri B Anil Kumar & Sri Hemasundar are working as Mining Engineer and Geologist	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	--	under pit-32.19 ha roads-3.60 ha green belt - 4.25 ha harvesting pond - 12.05 ha parking - 7.92 ha	None
9d	Scrutiny of Annual return on afforestation	--	800 no.s	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	None	None	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	--	In the annual return 2017-18 it was reported that the ex-mine prices as Rs.321.94/-	None
9h	Scrutiny of Annual return on fixed assets	--	In the Annual return the value of fixed assets is reported as Rs.352706448/-	None
9k	Scrutiny of Annual return on mining machineries	--	dozer/Backhoe/tipper/wag on drill/aircompressor/water tanker are observed during the inspection.	None

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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 26(2)	25/07/2018	24/08/2018				
MCDR17	Rule 47(a)	25/07/2018	24/08/2018				

**Date :****(A.V.Ramesh Kumar)**

Indian Bureau of Mines