

**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 : **M017**) **MANISH K MAINDIRATTA**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri K Venkata Ramana, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 17/01/2020
- (v) Prev.inspection date : 14/08/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MANDADI(50.41 HA) LIMESTO**
- (b) **Registration NO.** : **IBM/5210/2011**
- (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** : **10**
- (d) **Date of Expiry** : **19/09/2017**
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 : 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	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	Nil	48.61 hectare under G1 level of exploration and 1.80 hectare under G2 level of exploration	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	48.61 hectare under G1 level of exploration and 1.80 hectare under G2 level of exploration.	
1e	Balance reserve as on 01/04/20	Resource/ reserves as on 1/7/2017 111=0.818mT 211/221/222= 1.673mT	Depletion 1/7/2017 to 31/9/2017=0.015mT (15000 T) Balance reserves/ resource= 111=0.803mT 211/221/222= 1.673mT	
1f	General remarks of inspecting officers on geology, exploration etc			

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	For the year 2018-19 ,the mine development was proposed between N55-N89, W1320-W1438 & N49-S04 W1151-W1329.	2018-19= Nil production	For want of EC uncer 2006 notification
2b	Separate benches in topsoil, overburden and minerals (Rule 15)		Presently all three benches are in Limestone.	No topsoil worked in 2018-19

2c	Stripping ratio or ore to OB ratio	2018-19 1:0	2018-19: NA as there was no production
2d	Quantity of topsoil generation in m3	2018-19= 100 cu m of top soil generation anticipated.	2018-19= NIL generation reported.
2e	Quantity of overburden generation in m3	Nil proposal in 2018-19.	Nil generated in 2018-19.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No mining operation undertaken due to the want of EC under EIA notification 2006.	Lease extension GOMs issued but supplementary lease deed not signed. MMP approved on 25/9/2017 for the period 19/9/17 to 31/3/22. Only crusher plant is being operated for the other mines linked with the crusher

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One pit is there at present.	
3b	Quantity of ROM mineral production proposed	2018-19=85575 T	2018-19= NIL	
3c	Recovery of sailable/usable mineral from ROM production	Entire mineral is suppose to be consumed.	Not applicable	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	
3f	Quantity of sub grade mineral generation.	NIL	NIL	

3g	Grade of sub grade mineral generation	Not applicable	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM		Not applicable
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not Applicable
3j	Provision of drilling and blasting in mineral benches	Drilling using 115mm dia drill holes, blasting using ANFO- slurry proposed	Not applicable as mine is not operating.
3k	Provision of mining machineries in mineral benches	Back hoe 1.7 cu m) ,Tipper (17 T) ,Compressor, Rock Drill proposed	Not applicable as the mine is not working since September 2019.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not applicable	Mine is not working
3m	Total area covered under excavation/pits	Land put to use till 2023-24 Area under excavation- 25.126 hectare Backfilled area 12.19 hectare Infra structure- 6.783 hectare Roads -1.253 hectare	Covered under current (O/C) Workings-38.735 ha. Infra structure- 6.783 hectare Roads 1.253 hectare
3n	Ore to OB ratio for the pit/mine during the year.	2018-19= 1:0	NA

3o	Total area put in use under different heads at the end of year	Land put to use till 2023-24 Area under excavation- 25.126 hectare Backfilled area 12.19 hectare Infra structure- 6.783 hectare Roads -1.253 hectare	Covered under current (O/C) Workings-38.735 ha. Infra structure- 6.783 hectare Roads 1.253 hectare
3p	Production of ROM mineral during the last five year period as applicable	2014-15 =550750 tonnes 2015-16=310175 tonnes. 2016-17= 266352 T 2017-18 (31/3/2017 to 18/9/2017) =92364 T 2017-18 (19/9/2017 to 31/3/2018) =66900 T 2018-19 =266352 tonnes	2014-15 = 2,86,000 tonnes 2015-16 = 2,35,000 tonnes. 2016-17 = 1,0,25000 tonnes. 2017-18 = 15,000 tonnes 2018-19= Nil
3q	General remarks of inspecting officers on method of mining etc.		

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Not applicable for 2018-19 as mine is not working	However Separate dumping is practiced in the mine.
4b	Location of topsoil, OB and mineral reject dumps		Not applicable for 2018-19 as mine is not working	However the old stabilised dump is there Between Grids N 06 TO S 100 AND W 1327 TO W 1425.

4c	Number of dumps within lease area and outside of lease area	1	1
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)		Dump is within the area on the mined out land.
4e	Number of active and alive dumps.	Nil	Nil
4f	Number of dead dumps.	1	1
4g	Number of dumps established.	1	One dump stabilised.
4h	Whether Retaining wall or garland drain all along dumps are there.		Retaining bund is created at the toe of dump to keep the water accumulated in the pit away from dump.
4j	Number of settling ponds		No settling pond is there
4k	Specific comments of inspecting officer on waste dump management		

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.	Proposed	Entire mineral exhausted before starting of backfilling. However in 2018-19 no further backfilling activity undertaken.	
5b	Area under backfilling of mined out area	Nil	About 12.6 hectare reported under backfilling	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposed	Not generated and utilised	
5d	Total area fully reclaimed and rehabilitated	12.19 hectare proposed	About 12.6 ha	

5e General remarks of inspecting officers on backfilling and reclamation etc.

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).	To be submitted as per rule	Not submitted	
6b	Area available for rehabilitation (ha) .	No proposal for rehabilitation of worked out benches	Not done	
6c	afforestation done (ha).	No proposal for rehabilitation of worked out benches	Not done	
6d	No. of saplings planted during the year	No proposal for rehabilitation of worked out benches	Not done	
6e	Cumulative no .of plants	-	-	
6f	Any other method of rehabilitation	----	-----	
6g	Cost incurred on watch and care during the year	-----	-----	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	36.815 ha.	36.18ha.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	12.19 ha.	About 12 hectare area is under rehabilitation	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	12.19 ha.	About 12 hectare area is under rehabilitation and is afforested. 700 saplings within ML on the dump slopes in 2018-19	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	NIL	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.		NIL	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal	-----	Plantation has extensively been done on the area where crusher has been installed.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No Proposal	Not done	
6p	Compliance of environmental monitoring (core zone and buffer zone)		Done regularly	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not Applicable	Not Applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Applicable	Not Applicable	

7c	Different grade of mineral sorted out at mines.	Not Applicable	Not Applicable
7d	Any beneficiation process at mines	Not Applicable	Not Applicable
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not Applicable	Not Applicable

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	NA	
8b	Concurrent use or storage of topsoil	NA	Not Applicable as mine is not working.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	N A	Not Applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Separate dump for soil is already there.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)		Done as per proposal in the document	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	700 saplings within ML on the dump slopes and 500 saplings outside ML. planted in 2018-19. Dense plantation has been done on about 12 hectare of backfilled area in the pst and also in the surroundings of the crusher.
8g	Survival rate	95% reported
8h	Water sprinkling on roads to control airborne dust	Provided 10 and 12 KL capacity water tanker.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual return furnished for the year 2018-19.		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - Sh V Venkatramana Geologist - Not appointed	Geologist- Not appointed.	The Mine is not working due EC and FC issues.However, lessee has been advised to appoint a statutory Geologist at the earliest.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings- 38.735 ha. Reclaimed / rehabilitated 12.6 hectare Infra structure- 8.260 hectare.	Broadly as per proposal. Out of 38.735 hectare area 12.6 hect is backfilled.	
9d	Scrutiny of Annual return on afforestation	700 saplings within ML and 500 saplings outside ML	Broadly as per proposal.	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	Mine is not working
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL reported	
9h	Scrutiny of Annual return on fixed assets	Submitted	
9k	Scrutiny of Annual return on mining machineries	Common machinery is used for all the mines. Presently no machinery is used.	

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
MCDR17	Rule 28(1)	27/02/2020			
MCDR17	Rule 26(2)	27/02/2020			
MCDR17	Rule 35(2)	27/02/2020			

Date :**(MANISH K MAINDIRATTA)**

Indian Bureau of Mines