

**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 : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : S.PRASAD, MINES MANAGER
Official with
Designation
- (iv) Date of Inspection : 30/10/2018
- (v) Prev.inspection date : 17/11/2017

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. :
E-mail :
Phone :
- (f) **Police Station** :
- (g) **First opening date** : **08/07/2016**
- (h) **Weekly day of rest** : **SUN**
- 2. **Address for
correspondance** :
- 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 :

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	6 Core Bore Holes with a meterage of 180 m	NIL	
1b	Exploration over lease area for geological axis 1 or 2	NIL	7 Core Bore Holes with a total meterage of 230 m	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NRDCS, Hyderabad Rs. 3,56,500/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	18,900 Tonnes	19025 Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	Total mineralised area has been explored under G1 scale.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Section AA' to BB'	Section AA' to BB'	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There are only mineral benches as there is very little top soil cover	Benches are under formation.	There is very little top soil cover with murrum and gravel.
2c	Stripping ratio or ore to OB ratio	1:0.069	1: 0.069	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	1730 M3	NIL	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The pit is under development stage. Only 6100 tonnes of Limestone Production was achieved during the year 2017-18.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One Pit	
3b	Quantity of ROM mineral production proposed	6225 tonnes	6100 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	99%	99%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	N.A	N.A	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	N.A	N.A	
3h	Manual / Mechanised method adopted for segregating from ROM	NIL	NIL	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	
3j	Provision of drilling and blasting in mineral benches	Deep Hole Blasting	Deep Hole Blasting	

3k	Provision of mining machineries in mineral benches	Back Hoe, 3 Tippers, Air Compressor, Rock Drill	Back Hoe, 3 Tippers, Air Compressor, Rock Drill	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Only mineral benches with a ht of 3 m	The mineral benches are under formation	
3m	Total area covered under excavation/pits	0.54 ha	0.255 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.069	1:0.069	
3o	Total area put in use under different heads at the end of year	0.54 ha	0.255 ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17-NIL, 2017-18--6225 T	2016-17-NIL, 2017-18--6100 T	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Open cast mechanised mining is being practiced.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NIL	NIL	
4b	Location of topsoil, OB and mineral reject dumps	N.A	N.A	
4c	Number of dumps within lease area and outside of lease area	NIL	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N.A	N.A	

4e	Number of active and alive dumps.	NIL	NIL	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	NIL	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	N.A	N.A	
4i	Length of Retaining wall or garland drain all along dumps	N.A	N.A	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	There is no waste generation hence no proposal of waste dump.

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.	NIL	NIL	
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	

5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mining operations have been started in the year 2017-18 only. The pit is under development stage. Hence back filling does not arise at this stage
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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).	Annual Report on PMCP to be submitted	Annual Report on PMCP is submitted	
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL	NIL	
6f	Any other method of rehabilitation	NIL	NIL	
6g	Cost incurred on watch and care during the year	NIL	NIL	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NIL	NIL	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	100 Nos	NIL	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NIL	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental parameters are to be monitored quarterly	Environmental parameters are being monitored quarterly and the reports are submitted to IBM .	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	Mining operations have been commenced recently. Development work is under progress. Hence Progressive closure operations have not started.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Proposal	NIL	Total ROM is being fed to the crusher.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	NIL	
7c	Different grade of mineral sorted out at mines.	NIL	NIL	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	_____

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes, top soil	NIL	The mining operations have been commenced recently and the development of the pit and benches are under progress. Hence there is no much generation of top soil.
8b	Concurrent use or storage of topsoil	For plantation purpose	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	NIL	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	360 Nos	NIL	
8h	Water sprinkling on roads to control airborne dust	There is a proposal of water sprinkling on roads with water tanker	NIL	As the mine has not developed fully, there is no formation of Haul Roads.
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	Online Monthly and Annual Returns are being submitted intime.	Online Monthly and Annual Returns are being submitted intime.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri. V.Ravikanth- Mining Engineer, Geologist-NIL, Sri.S.Prasad- Mines Manager	Sri. V.Ravikanth- Mining Engineer, Geologist-NIL, Sri.S.Prasad- Mines Manager	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits-0.255 ha, Reclaimed area- NIL, Area under Dump-NIL	Area under pits-0.255 ha, Reclaimed area- NIL, Area under Dump-NIL	
9d	Scrutiny of Annual return on afforestation	100 Plants	NIL	
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	NIL	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex.Mine Price- Rs.324/- COP- Rs.324/-	Ex.Mine Price-Rs.324/- COP-Rs.324/-	
9h	Scrutiny of Annual return on fixed assets	474 Million Tonnes	474 Million Tonnes	The amount furnished is common for all the leases of the company and plant, machinery etc.
9k	Scrutiny of Annual return on mining machineries	Back Hoe-1, Tippers-3, Air Compressor-1, Rock Drill-1	Back Hoe-1, Tippers-3, Air Compressor-1, Rock Drill-1	

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 11(1)	09/11/2018			
MCDR17	Rule 55(1)(3)	09/11/2018			

Date :

(Ch.Suseela)

Indian Bureau of Mines