

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : **RAM**) **RAMKISHAN R**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri B. Anilkumar, MinesManager.
Official with
Designation
- (iv) Date of Inspection : 20-JUL-23
- (v) Prev.inspection date : 14-MAR-23

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-AUG-07**
- (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** : **368.35**
- (c) **Period of lease** : **50**
- (d) **Date of Expiry** : **20-FEB-52**
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 : V Madhusudana Reddy
KCP Cement Muktyala
village,Jaggayyapeta
mandal,krishna district
KRISHNA ANDHRA PRADESH
Phone: 9491373671
FAX : 08654 296009

Mining Engineer

Name : B.ANIL KUMAR,Full Time
Qualification : B.E.(MINING) DATE OF APPOINTMENT ON 10
Appointment/ : 10-AUG-07
Termination date

Geologist

Name : T. Hemasunder Rao,Full Time
Qualification :
Appointment/ : 01-MAR-11
Termination date

6. Date of approval of Mining	:	PMCP under 23B(2) for Existing	06-JUL-11
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	03-JAN-12
		Mining Scheme rule 12 MCDR1988	14-DEC-12
		MP modif under 17(3) MCR 2016	29-DEC-16
		MP review under 17(1) MCR 2016	13-DEC-21

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No such specific proposal.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	Nil.	Entire mineralised area has been explored under G1 level.
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	No proposal.	Nil	Entire mineralised area has been explored under G1 level.
1e	Balance reserve as on 01/04/20	As per the approved document dated 14.12.2021, the Limestone reserves are 321.522 mil.t	due to depletion/addition over the period of time the updated reserves as on dated 01.04.2023 are limestone: 317.045 mil.t.	grade Cao 34-50%
1f	General remarks of inspecting officers on geology, exploration etc		limestone deposit of the ML area is of sedimentary origin and stratigraphically belongs to Narji limestone formation of Kurnool group of palnad basin. deposit is stratiform and tabular in nature.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

2a	Location of development w.r.t.lease area	two pits between grid location E399988- E400888, N1862643- N1863193 & E401188- E401300, N1862443- N1862643 .	two pits are being developed.	there is deviation in the development location so violation pointed out and communicated to lessee vide letter dated 27.07.2023
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	no top soil & OB generation are envisaged. benches in mineral are proposed.	benches in mineral are maintained.	
2c	Stripping ratio or ore to OB ratio	Not applicable	Nil	No waste generation is envisaged.
2d	Quantity of topsoil generation in m3	No proposal.	Nil	
2e	Quantity of overburden generation in m3	No proposal.	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		development is carried out by opencast mining method as proposed.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	two	two	

3b	Quantity of ROM mineral production proposed	4500037 t during the year 2022-23.	2986700 t	actual limestone production is less as compared to proposed quantity in the approved mining plan. violation vide letter dated 27.07.2023 communicated to lessee.
3c	Recovery of sailable/usable mineral from ROM production	4500037 t	2986700 t	
3d	Quantity of mineral reject generation	No proposal.	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil	
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	
3g	Grade of sub grade mineral generation	No proposal.	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil	
3j	Provision of drilling and blasting in mineral benches	drilling and blasting is proposed.	drilling & blasting is carried out.	

3k	Provision of mining machineries in mineral benches	excavator and dumper combination is proposed for excavation.	excavator and dumper combination is deployed for excavation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	7.5 m	maintained.
3m	Total area covered under excavation/pits	54.26 ha	53.26 ha
3n	Ore to OB ratio for the pit/mine during the year.	Not applicable	Nil
3o	Total area put in use under different heads at the end of year	69.44 ha	68.44 ha
3p	Production of ROM mineral during the last five year period as applicable	2018-19: 4.5 mil.t. 2019-20: 4.5 mil.t. 2020-21: 4.5 mil.t. 2021-22: 4.5 mil.t. 2022-23: 4.5 mil.t.	2018-19: 2.4 mil.t. 2019-20: 2.05 mil.t. 2020-21: 2.58 mil.t. 2021-22: 3.14 mil.t. 2022-23: 2.98 mil.t.
3q	General remarks of inspecting officers on method of mining etc.		production is carried out from one pit by opencast mining method as proposed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	no OB, top soil generation is envisaged.	Nil	

4b	Location of topsoil, OB and mineral reject dumps	No proposal.	Nil
4c	Number of dumps within lease area and outside of lease area	No proposal.	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Nil
4e	Number of active and alive dumps.	No proposal.	Nil
4f	Number of dead dumps.	No proposal.	Nil
4g	Number of dumps established.	No proposal.	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil
4j	Number of settling ponds	No proposal.	Nil
4k	Specific comments of inspecting officer on waste dump management		No OB/waste generation is envisaged.

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	

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)	No Proposal.	Nil
5d	Total area fully reclaimed and rehabilitated	No Proposal.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Not envisaged, as area is not matured for reclamation.

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).	PMCP report to submitted submitted before 1 st July.		
6b	Area available for rehabilitation (ha) .	No Proposal.	Nil	
6c	afforestation done (ha).	0.25 ha during the year 2022-23.	0.25 ha	
6d	No. of saplings planted during the year	375 nos	400 nos	
6e	Cumulative no .of plants		13750 nos	
6f	Any other method of rehabilitation	No proposal.	Nil	
6g	Cost incurred on watch and care during the year		Not assessed.	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal.	Nil
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.	No proposal.	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	proposed.	carried out
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.25 ha	0.25 ha

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB.	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB is carried out.	parameters are within the limits.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		PMCP measures were carried out as proposed.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	proposed.	carried out.	entire ROM (Limestone) of cement grade is used in the captive plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical.	mechanical.	
7c	Different grade of mineral sorted out at mines.	cement grade limestone.	cement grade limestone.	
7d	Any beneficiation process at mines	No proposal.	Nil	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	entire ROM (limestone) of cement grade is used at captive plant.
----	--	--

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil	
8b	Concurrent use or storage of topsoil	No proposal.	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	375 nos	400 nos	

8g	Survival rate	50%
8h	Water sprinkling on roads to control airborne dust	water sprinkling on haul roads for dust suppression is proposed.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	aesthetic beauty in and around the mines area is maintained.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and annual returns are to be submitted as per rule 45 of MCDR, 2017.	submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	(i) Graduate Mining Engineer 3, (ii) Diploma Mining Engineer 3, (iii) Geologist 1	found to be in order.	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Covered under current (O-C) Workings 53.260 ha,(ii) Occupied by plant, buildings, residential, welfare buildings and roads 3.590 ha,(iii) Used for any other purpose (specify) Rain Harvesting pit + Check dam 11.590 ha	found to be in order.
9d	Scrutiny of Annual return on afforestation	400 nos	found to be in order.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	found to be in order.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock is Nil.	found to be in order.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price Rs.245.46/t	Ex-mine price Rs.245.46/t
9h	Scrutiny of Annual return on fixed assets	Rs. 91787560	Rs. 91787560
9k	Scrutiny of Annual return on mining machineries	BACK HOE 2.100 CUM 3, BACK HOE 1.400 CUM 3, TIPPER 12.600 CUM 22 etc.,	found to be in order.

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)	27-JUL-23	22-AUG-23				

Date :**(RAMKISHAN R)**

Indian Bureau of Mines