

**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 : **25**) **SHRI IBRAHIM SARIF**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri V VENkataramana, Sr GM
Official with
Designation
- (iv) Date of Inspection : 16/03/2022
- (v) Prev.inspection date : 17/01/2020

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 correspondance** : **The KCP Ltd**
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
		MP review under 17(1) MCR 2016	20/11/2020

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2020-21- No proposal pending for exploration	2020-21= No exploration undertaken	
1b	Exploration over lease area for geological axis 1 or 2		No further exploration required	Entire lease area was covered under G1 level of exploration. Exploration work done in 2017-18= 7 cbh (total 230m drilling)
1c	Exploration Agencies and Expenditure in lakh rupees during the year	F.Y 2020-21 : No proposal during the year	Nil	Exploration was carried out by M/s National Resource Development Corporation (NRDC), Hyderabad. Total expenditure incurred for the subject ML area is Rs.5,55,900/- which includes job work of sampling and analysis.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No area is available for further exploration	Nil	No area is remaining for exploration, as entire lease area has been explored in G1 scale

1e	Balance reserve as on 01/04/20	As on 01/04/2021 the reserves are as below: 111 : 1.45 Million Tonnes Reserves proposed to be depleted due to production during the years Balance 2021- 22 : 1,00,150 Tonnes 2021-22 : 1,00,137 Tonnes Balance Reserves : 1.25 Million Tonnes	As on 01/04/2021 the reserves are as below: 111 : 1.45 Million Tonnes Reserves proposed to be depleted due to production during the years Balance 2020-21 : Nil 2021-22 : Nil Balance Reserves : 1.45 Million Tonnes
----	-----------------------------------	--	---

1f	General remarks of inspecting officers on geology, exploration etc	The formations are near horizontal with gentle dips of 2° to 5° towards SSE or South. They show series of strike and dip joints which dip at 60o to vertical. Limestone deposition is uniform in the leasehold as deciphered from the intensive exploration conducted. There are no structural deformations/disturbance s like folds, faults etc. The entire lease area has been explored in G1 scale by 7 core bpore holes.
----	--	--

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2020-21 working was proposed in E329450-329600 N1816500- 1816575.	No Mining operation during the year 2020-21	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes Seperate dump of OB and Top Soil to be maintained.	Nil, as no mining activity was carried out during the year 2020-21	
2c	Stripping ratio or ore to OB ratio	F.Y : 2020-21 -1 : 0.47	Nil	No mining activity carried out during the year 2020-21
2d	Quantity of topsoil generation in m3	2145 cum of Top soil generation anticipated during the year 2020-21	Nil	Mine is not being carried out since Sept 2019.
2e	Quantity of overburden generation in m3	5720 cum of OB to be generated during the year 2020-21	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mining operations are not being carried out at present due to want of statutory clearance and before that mining is by Fully mechanized method using HEMM one bench with height of 5 meters is developed so far. In the lease there is instance of moram/ soil pockets which are there as overburden and intercalated material in the crevices. Only soil dump is observed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Only one pit was proposed for production	No Production has been taken during the year. one pit is there at present	
3b	Quantity of ROM mineral production proposed	1,00,150 Tonnes	Nil	Due to want of Statutory clearances

3c	Recovery of sailable/usable mineral from ROM production	F.Y 2020-21 : 100%	Nil during the year	
3d	Quantity of mineral reject generation	No mineral reject generation anticipated in F.Y 2020-21	Nil generated in F.Y 2020-21	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not Applicable	
3f	Quantity of sub grade mineral generation.	No sub grade mineral generation anticipated in F.Y 2020-21	Nil	
3g	Grade of sub grade mineral generation	No proposal	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal of any segregation of ROM	Not applicable	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	F.Y 2020-21 : No such study was proposal to be carried out during the year	No study done.	
3j	Provision of drilling and blasting in mineral benches	Drilling using 115mm dia drill holes, blasting using ANFO- slurry proposed	Nil during the year	
3k	Provision of mining machineries in mineral benches	Back hoe - 1(1.7 cu m), Tipper (17 cu m)-3, Compressor-1, Rock Drill (115 mm)-1	Nil	No mining activity during the year 2020-21

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Boom length of 6 meter Bench Height is 1.7 cum capacity Excavator is suitable to maintain bench height of 6 meters in Mineral	6 meter Bench Height is suitable for method of mining.
3m	Total area covered under excavation/pits	2.69 ha proposed under pit till 2025-2026	0.4943 Ha area is degraded till date under excavation/Pit
3n	Ore to OB ratio for the pit/mine during the year.	F.Y : 2020-21 -1 : 0.47	Nil
3o	Total area put in use under different heads at the end of year	3.3434 ha proposed to be put to use till 2025-2026	Total area : 0.5143 Ha 0.4943Ha under pit and about 0.02 hectare under Road.
3p	Production of ROM mineral during the last five year period as applicable	2016-17=nil 2017-18=6225 T 2016-17 : 6,625 MT 2017-18 : 6,325 MT 2018-19 : 99,188 MT 2019-20 : 1,00,000 MT 2020-21 = 1,00,150 T 2021-22 = 1,00,137 T	2016-17=nil 2017-18=6100 T 2018-19= 5000 T 2019-20 = Nil 2020-21 = Nil 2021-22 = Nil
3q	General remarks of inspecting officers on method of mining etc.		Mine is found to be not working due to want of Environment Clearance. The previous Environment Clearance expired on 20/9/2019.

Solid Waste Management - Dumping:

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

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top Soil to be utilised for plantation within safetyzone of lease area, Dump to be on Northern side of lease area.	No work carried out during the year 2020-21	
4b	Location of topsoil, OB and mineral reject dumps	As per latest approved MMP dumps are approved on Northern side of lease in between grid N 1816398 to 1816465 E 329368 to 329531.	No dumps are observed as there is no mining activity since 2019	
4c	Number of dumps within lease area and outside of lease area	One Waste Dump	No dump observed	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL, as the dump proposed is temporary	No dump is observed	
4e	Number of active and alive dumps.	One dump	Nil	
4f	Number of dead dumps.	Nil	NA	
4g	Number of dumps established.	F.Y 2020-21 : No proposal of dump establishment during the year	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes proposals are given to construct during the year 2020-21	Nil	No dumps developed as there is no mining activity during the year
4i	Length of Retaining wall or garland drain all along dumps	F.Y 2020-21 : Yes ,170m x 1.5 m x 2.0 meters retaining wall all along bottom periphery of waste dump to be constructed	Nil	No dump developed as there is no mining activity during the year 2020-21
4j	Number of settling ponds	No proposal	Nil	

4k	Specific comments of inspecting officer on waste dump management	No waste dump management is applicable at present as there is no dumps in the lease area.
----	--	---

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, it is new mine	Not applicable	
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.			This is New Mine and no area is used for Backfilling

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 for the year 2020-21 to be submitted.	Annual report on PMCP submitted during the year 2020-21	
6b	Area available for rehabilitation (ha) .	No proposal for rehab. of worked out benches	Not applicable	

6c	afforestation done (ha).	F.Y 2020-21 : Nil during the year No proposal for rehab. of worked out benches	Not done	No benches are reached UPL
6d	No. of saplings planted during the year	No proposal of plantation for rehab. of worked out benches during the F.Y 2020-21	Not done	
6f	Any other method of rehabilitation	No such proposal is made in the approved document	Not applicable	
6g	Cost incurred on watch and care during the year	No proposal for rehab. By backfilling	Not done	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	F.Y 2020-21 : No proposal for rehab. By backfilling	Not applicable	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal for rehab. of by backfilling	Not applicable	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal of afforestation on backfilled area	Not applicable	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	F.Y 2020-21 : No proposal for rehabilitation by making water reservoir.	Not applicable	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	F.Y 2020-21 : No proposal of reclamation and rehabilitation	Not applicable	

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.2655 ha proposed to be afforested during the year 2020-21	About 0.25 Ha area planted during the year 2020-21	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	300 saplings to be planted during the year 2020-21	300 sapplings planted during the year 2020-21	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	F.Y 2020-21 : No proposal of rehabilitation during the year 2020-21	Not applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring is to be carried out for AAQ, WQ, Noise, Blast induced Vibration etc	Quarterly monitoring is being carried out regularly and results are within permissible limit..	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Environment monitoring, Plantation is being done in the lease area

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM produced is to be dispatched	Nil during the year	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	

7d	Any beneficiation process at mines .	No proposal	Nil	Only sizing is done and that too at the crusher installed in Mandadi Lst Mine which is about 6km from this mine and then dispatched to plant located about 6 km at Macherla by aerial ropeway.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No Mining activity is being carried out since 2019 for want of Statutory clearances

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top Soil proposed to be worked separately	Nil as no mining activity since 2019	
8b	Concurrent use or storage of topsoil	Top soil to be stored seperately and utilised for plantation	No top soil generated during the year 2020-21	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Only Waste dump to be done sepately	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 for Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	300 sapplings to be planted during the year	300 sapplings planted during the year	The mining area is part of Forest land. Kandlagutta extension reserved forest, and Mandadi reserved forest area are within the 10 km radius, all these are open forests with mainly thorny bushes, dense to open scrub with only few scattered trees.
8g	Survival rate	No such proposal in approved document	About 85% survival is there	
8h	Water sprinkling on roads to control airborne dust	12 KL water tanker to be used for Water sprinkling for dust suppression	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Lessee carried out plantation of 300 sapplings during the year so far 960 sapplings is done to improve aesthetic beauty

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns up to February 2022 and Annual returns for the year 2020-21 to be submitted	Monthly returns up to February 2022 and Annual returns for the year 2020-21 has been submitted	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri P. Nagarjuna, Mining Engineer, Sri P Vijay Kumar, Geologist	Above competent persons were employed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings : 0.494 Ha, Building, Plant , Road- 0.02 Ha	More or less as per the information submitted in the returns	
9d	Scrutiny of Annual return on afforestation	180 sapplings planted during the year	Yes 300 sapplings found planted	
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	Nil	Nil	
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	
9k	Scrutiny of Annual return on mining machineries	Nil	Nil	No mining operation during the year

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

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines