

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

Review and updation of Mining Plan 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 : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 11-OCT-20
- (v) Prev.inspection date :

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-JUL-16
- (h) **Weekly day of rest** : SUN
2. **Address for** : The KCP Ltd
correspondance 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-MAR-18
 Termination date

Geologist

Name : P.Manohar Reddy,Full Time
 Qualification : M.Sc(Geology)
 Appointment/ : 06-MAR-19
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	06-FEB-15
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	09-APR-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2018-19- No proposal pending for exploration	2019-20= No exploration undertaken	
1b	Exploration over lease area for geological axis 1 or 2	Entire lease area was covered under G1 level of exploration.	No further exploration required	Exploration work done in 2017-18= 7 cbh (total 230m drilling)
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Expenditure incurred for the 7 drill holes(Core boreholes) of the subject ML area is Rs.3,56,500/- (Rupees Three lakh Fourteen thousand Five hundred and fifty only) 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 remaining for exploration, as entire lease area has been explored in G1 scale	
1e	Balance reserve as on 01/04/20		As on 01/04/2020 the reserves are as below: 111 : 1.45 Million Tonnes 211 : 0.576 Million Tonnes Total Resources : 2.026 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 60° to vertical. Limestone deposition is uniform in the leasehold as deciphered from the intensive exploration conducted. There are no structural deformations/disturbances like folds, faults etc. The entire lease area has been explored in G1 scale by 7 core bore holes.
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Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2019-20 is the fourth year of plan period. And working was proposed in E329450-329600 N1816500-1816575.	No Mining operation during the year 2019-20	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Suppose to work the soil separately.	No mining activity during the year	
2c	Stripping ratio or ore to OB ratio	LST:Soil= 1T:0.73cu m	Nil	Area is having soil/ morram at the surface followed by mineral bed.
2d	Quantity of topsoil generation in m3	1760 Tonnes soil generation anticipated during the year	About 526 Tonnes generated	Mine is not being worked since Sept 2019.

2e	Quantity of overburden generation in m3	5720 Tonnes	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mining operations are 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	99,188 Tonnes	Nil	
3c	Recovery of sailable/usable mineral from ROM production	99%	nil during the year	
3d	Quantity of mineral reject generation	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	

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 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	Machineries used in adjacent leases is also being used in this mine also
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM		6 meter Bench Height is suitable for method of mining.	
3m	Total area covered under excavation/pits	2.66 ha proposed under pit till 2020-2021 as per MMP approved on 9/4/2019.	0.4943 Ha area is degraded till date under excavation/Pit	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.73 (Tonne per cu m)		
3o	Total area put in use under different heads at the end of year	3.38 ha proposed to be put to use till 2020-2021 as per MMP approved on 9/4/2019.	Total area : 0.5143 Ha 0.3Ha 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	2016-17=nil 2017-18=6100 T 2018-19= 5000 T 2019-20 = Nil
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3q	General remarks of inspecting officers on method of mining etc.	Mine was initially approved for a production capacity of 6375 T per annum and later production proposal increased to 1 lac tonnes per annum of limestone. Mine is found to be not working due to want of Environment Clearance. The previous Environment Clearance expired on 20/9/2019.	Mechanised method is adopted to develop the mine by using HEMM.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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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 2019-20
4b	Location of topsoil, OB and mineral reject dumps	Soil generation was proposed to be used for plantation	Nil
4c	Number of dumps within lease area and outside of lease area	Nil	NA
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	NA
4e	Number of active and alive dumps.	One	Nil
4f	Number of dead dumps.	Nil	NA
4g	Number of dumps established.	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 waste dump management is applicable to this Lease

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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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	NA	
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)	Concurrent use proposed	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	Nil

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	to be submitted regularly	Not submitted	
6b	Area available for rehabilitation (ha) .	No proposal for rehab. of worked out benches	NA	
6d	No. of saplings planted during the year	180	180	
6e	Cumulative no .of plants	660 Nos.	660 Nos.	
6f	Any other method of rehabilitation	No proposal	Nil	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Nil	660 saplings planted over about 0.4 hectare area.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring is to be done regularly.	Environmental monitoring is done regularly.	
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	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Soil proposed to be worked separately	Top soil generated is concurrently used for plantation in the 7.5m buffer zone.	
8b	Concurrent use or storage of topsoil	Proposed	Done accordingly	
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	NA	Does not arise	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		So far 660 sapplings planted	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		90%	

8h	Water sprinkling on roads to control airborne dust	12 KL water tanker to be used for Water sprinkling for dust suppression	Done as per proposal
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Lessee is being carryout plantation so far 660 sapplings is done to improe aesthetic beauty

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly/ Annual returns to be submitted regularly	Submitted Regularly	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri V. RAVI KANTH, Mining Engineer	Nil	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings : 0.3 Ha.	More or less as per the information submitted in the returns	
9d	Scrutiny of Annual return on afforestation	180	180	
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	

9h	Scrutiny of Annual return on fixed assets	Rs. 68072684	As submitted by lessee
9k	Scrutiny of Annual return on mining machineries	Back hoe - 1(1.7 cu m) ,Tipper (17 cu m)-3 ,Compressor-1, Rock Drill (115 mm)-1	Machineries mentioned is used commonly in all the leases of lessee nearby

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 26(2)	30-DEC-20			
MCDR17	Rule 28(1)	30-DEC-20			
MCDR17	Rule 55(1)(1)	30-DEC-20			
MCDR17	Rule 45(7)(a)	30-DEC-20			

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines