

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : **AP03**) **A.Prabhakar Rao**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : PRSAD MINING ENGINEER,S.SANKAR GEOLOGISTA.AJIT BABU G
Official with
Designation
- (iv) Date of Inspection : 17/11/2017
- (v) Prev.inspection date : 19/01/2017

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 :
- Taluka :
- Post office :
- Pin Code :
- 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	No proposals	NIL	MINE OPEND ON08/07/2016
1b	Exploration over lease area for geological axis 1 or 2	6 BORE HOLES (METERAGE 180 METERS)	7 NO.S BORE HOLES((23 0 METERSA)	Drilling operations arte commenced on06/06/2017, compl etewd on12/06/2017
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	N.R.D.C.S. HYDERABAD Expenditure RS 3.56 LAKHS	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	Entire area explored	NIL
1e	Balance reserve as on 01/04/20	2052R5 TONNES	20525 TONNES	NIL
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	NIL

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	With in the M.L. AREA between A-A AND B-B sevctins	As per the proposals	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	One bench in mial	One bench in mineral	NIL
2c	Stripping ratio or ore to OB ratio	1:0.5	1:0.5	NIL
2d	Quantity of topsoil generation in m3	1730 CUBIC METERS	-	NIL
2e	Quantity of overburden generation in m3	NO O.B .GENERATION WAS PROPOSED	NIL	NIL

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	NIL	NIL
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE PIT	ONE PIT	NIL
3b	Quantity of ROM mineral production proposed	6225 VTONNES	6100 TONNES	NIL
3c	Recovery of sailable/usable mineral from ROM production	6225 TONNES	6100 TONNES	NIL
3d	Quantity of mineral reject generation	NIL	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	NIL	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	NIL	NIL	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	AS PER THE PROPOSAL S IN THE MINING PLAN	AS PER THE PROPOSAL S IN THE MINING PLAN	NIL

3k	Provision of mining machineries in mineral benches	AS PER THE PROPOSAL S IN THE MINING PLAN	AS PER THE PROPOSAL S IN THE MINING PLAN	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NO OVER BURDEN WAS FOUND /AVAILABLE IN THE MINE, THE HIGHT OF THE BENCH IS SUITABLE FOR METHOD OF MINING PROPOSED IN THE MINING PLAN	NO OVER BURDEN WAS FOUND /AVAILABLE IN THE MINE, THE HIGHT OF THE BENCH 7.0 M IS SUITABLE FOR METHOD OF MINING PROPOSED IN THE MINING PLAN	NIL
3m	Total area covered under excavation/pits	0.32 HECT	0.24 HECT	NIL
3n	Ore to OB ratio for the pit/mine during the year.	NIL	NIL	
3o	Total area put in use under different heads at the end of year	0.32HECT AREA COVERED UNDER MINING OPERATIONS	0.240HECT AREA COVERED UNDER MINING OPERATIONS	
3p	Production of ROM mineral during the last five year period as applicable	MINE WAS OPEND ON 08.07.2016	MINE WAS OPEND ON 08.07.2016	NIL
3q	General remarks of inspecting officers on method of mining etc.	NIL	NIL	NIL

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	NIL	NIL	

4c	Number of dumps within lease area and outside of lease area	There is no waste generation during the mining plan period .Hence there is no proposals for dump yard at the mine site	NIL	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	NIL	
4e	Number of active and alive dumps.	NIL	NIL	
4f	Number of dead dumps.	-	-	
4g	Number of dumps established.	-	-	
4h	Whether Retaining wall or garland drain all along dumps are there.	NOT PROPOSED	NIL	
4i	Length of Retaining wall or garland drain all along dumps	-	-	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	NIL

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.	NIL	NIL	NIL

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).	SUBMITTED Rehabilitation ofBarrier area within lease Afforestation (Green belt development in barrier Zone) 0.45 hect proposed 360 no.s sapplings plantation	Afforestation (Green belt development in barrier Zone) 0.30 hect proposed 260 no.s sapplings plantation carriedout	NIL
6b	Area available for rehabilitation (ha) .	Not matured for rehabilitation	NIL	
6c	afforestation done (ha).	Afforestation (Green belt development in barrier Zone) 0.45 hect proposed 360 no.s sapplings plantation	Afforestation (Green belt development in barrier Zone) 0.30 hect proposed 260 no.s sapplings plantation carriedout	NIL
6d	No. of saplings planted during the year	360 NO S SAPPLING PROPOSED	200NOS sapplings plantation was carriedout by the lessee	
6e	Cumulative no .of plants	360 nos	200 nos	
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 (L x B x D	NO PROPOSAL;S WERE MADE IN THE APPROVED MINING PLNA	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
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NI80L
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)	proposed to Crriedout	Carriedout

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	NIL
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Produced ROM sent to crusher for crushing desired sinze and sent to Cement plant without any sorting	Produced ROM sent to crusher for crushing desired sinze and sent to Cement plant without any sorting	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NO	NIL	
7c	Different grade of mineral sorted out at mines.	NOT SORTED	NIL	
7d	Any beneficiation process at mines .	NO BERNIFICIATION WORK ADOPTED AT MINES	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NIL	NIL	NIL

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	1730 cubic meters	1500 cubic meters	
8b	Concurrent use or storage of topsoil	used for for plantation	used for plantation	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	no proposals	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 PROPOSALS	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	360 SDAPPLINGS ON 0.45 HECTARS	200 SAPPLING PLANTED ON 0.30 HECTARS	
8g	Survival rate	80%	75%	
8h	Water sprinkling on roads to control airborne dust	12 K.L. WATER TANKER PROPOSED FOR WATER SPRINKLING	12 K.L. WATER TANKER USED FOR WATER SPRINKLING	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL	NIL	NIL

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns upto november 2017, Annual Return for the year 2016-17 submitted by the lessee	production is nil	

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 :
(A.Prabhakar Rao)

Indian Bureau of Mines