

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

Inspection under SDF for star rating of mines REPORT

Bangalore regional office

Mine file No : KNT/GLB/LST/50/BNG

Mine code : 38KAR10016

- (i) Name of the Inspecting : **M003**) **G C MEENA**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Balasubramanyam, GM & K.V. Subba Reddy, Geologist
Official with
Designation
- (iv) Date of Inspection : 22/11/2019
- (v) Prev.inspection date : 19/01/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KALLUR LIMESTONE MINE ML**
- (b) **Registration NO.** : **IBM/170/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : KARNATAKA
District : GULBARGA
Village : KALLUR
Taluka : CHINCHOLI
Post office : KALLUR
Pin Code : 585305
FAX No. : 08475-295608, 9480827511
E-mail : subramani.v@chettinadcement
Phone : 044-42988652 (O) 044-42988
- (f) Police Station : Miryan
- (g) First opening date : 07/03/2012
- (h) Weekly day of rest : SUN
2. Address for : KALLUR VILLAGE, GARAGAPALLI POST,
correspondance CHANDAPUR, CHINCHOLI TALUK
GULBARGA - 585305
3. (a) Lease Number : KAR1677
- (b) Lease area : 423.11
- (c) Period of lease : 30
- (d) Date of Expiry : 24/09/2040
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : CHETTINAD CEMENT CORPORATION LIMITED
 KALLUR VILLAGE, GARAGAPALLI
 POST CHANDAPUR, CHINCHOLI
 TALUK GULBARGA - 585305
 GULBARGA KARNATAKA
 Phone:
 FAX :

Owner : L.MUTHUKRISHNAN
 Nominated owner, Rani
 Seethai Hall Building, IV &
 V 603, Anna Salai,
 Chennai, Tamilnadu CHENGAI-
 ANNA TAMIL NADU
 Phone:
 FAX :

Agent : R A Krishna Kumar
 Rani Seethai Hall Building,
 IV & V Floors, 603, Anna
 Salai, Chennai, Tamilnadu
 CHENGAI-ANNA TAMIL NADU
 Phone:
 FAX :

Mining Engineer
 Name : V.Rami Reddy, Full Time
 Qualification : B.TECH(MINING) SECOND CLASS MINES MANAGE
 Appointment/ : 10/06/2013
 Termination date

Geologist
 Name : K.V.SUBBA REDDY, Full Time
 Qualification : M.Sc.(GEOLOGY)
 Appointment/ : 10/06/2013
 Termination date

Manager
 Name : V.BALASUBRAMANI
 Qualification : D.MIN.ENGG.& 1st CLASS COMPETENCY CERTIF
 Appointment/ : 07/03/2012
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	15/04/2014
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	02/08/2017
	:	MP review under 17(1) MCR 2016	20/11/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	20Holes(1000m trs)	0	
1b	Exploration over lease area for geological axis 1 or 2	--	--	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	--	
1d	Balance area to be explored to bring Geological axis in 1 or 2	--	--	
1e	Balance reserve as on 01/04/20	207.53 Million Tons	--	
1f	General remarks of inspecting officers on geology, exploration etc			

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Block-A	-	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	OB Bench:1.7mtrs Mineral Bench:9mtrs	OB Bench:1.7mtrs Mineral Bench:9mtrs	
2c	Stripping ratio or ore to OB ratio	1:0.06	1:0.04	
2d	Quantity of topsoil generation in m3	2,85,583M3	2,85,583M3	
2e	Quantity of overburden generation in m3	2,85,583M3	2,85,583M3	

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

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	99,00,000	28,36,248	
3c	Recovery of sailable/usable mineral from ROM production	NIL	NIL	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	NIL	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method	Mechanized method	
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	YES	YES	

3k	Provision of mining machineries in mineral benches	Yes	Yes
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes
3m	Total area covered under excavation/pits	41.57	12.47
3n	Ore to OB ratio for the pit/mine during the year.	1:0.06	1:0.04
3o	Total area put in use under different heads at the end of year	Area of Excavation : 85.14, Storage of topsoil : 0.00, OB Soil dump : 9.88, Mineral Storage : 12.19, Infrastructure : 0.7, Roads : 9.0, Greenbelt/Afforestation:12.5 , Undisturbed area : 292.13	Area of Excavation : 12.47 Storage of topsoil : 0.00, OB Soil dump : 4.6, Mineral Storage : 1.73 Infrastructure : 0.0, Roads : 0.0, Greenbelt/Afforestation: 4.6.
3p	Production of ROM mineral during the last five year period as applicable	2014-15: 30,00,000 2015-16: 50,00,000 2016-17: 70,00,000 2017-18: 99,00,000 2018-19: 99,00,000 (in tonnes)	2014-15 : 15,66,320 2015-16 : 18,28,093 2016-17 : 19,47,042 2017-18 : 30,80,702 2018-19 : 28,36,248 (in tonnes)

3q General remarks
of inspecting
officers on
method of mining
etc.

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	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.	NIL	NIL	
4g	Number of dumps established.	NIL	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	NIL	
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management			

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.			

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 submitted on time and correctly - Rule 23E (2) on or before 1st July every year	Annual report on PMCP submitted on time and correctly - Rule 23E (2) submitted on 19.06.2019.	
6b	Area available for rehabilitation (ha) .	Not Applicable	Not Applicable	
6c	afforestation done (ha).	Not Applicable	Not Applicable	
6d	No. of saplings planted during the year	Not Applicable	Not Applicable	
6e	Cumulative no .of plants	Not Applicable	Not Applicable	
6f	Any other method of rehabilitation	Not Applicable	Not Applicable	

6g	Cost incurred on watch and care during the year	Not Applicable	Not Applicable
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not Applicable	Not Applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Applicable	Not Applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Not Applicable	Not Applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Applicable	Not Applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not Applicable	Not Applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not Applicable	Not Applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Applicable	Not Applicable

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Applicable	Not Applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monthly Monitoring	Monthly Monitoring
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NIL	
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
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8a	Separate removal and utilization of topsoil (Rule 32)	2,85,583M3	2,85,583M3
8b	Concurrent use or storage of topsoil	YES	YES
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Applicable	Not Applicable
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	Not Applicable
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Applicable	Not Applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not Applicable	Not Applicable
8g	Survival rate	70%	70%
8h	Water sprinkling on roads to control airborne dust	Laid fixed water sprinklers all along the haul road to control airborne dust	Laid fixed water sprinklers all along the haul road to control airborne dust
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
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9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto October2019 A.R. submitted upto 2018-19.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	OK	Found,Ok
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	OK	Found,Ok
9d	Scrutiny of Annual return on afforestation	OK	Found,Ok
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	OK	Found,Ok
9f	Scrutiny of Annual return on ROM stock and/or graded ore	OK	Found,Ok
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	OK	Found,Ok
9h	Scrutiny of Annual return on fixed assets	OK	Found,Ok
9k	Scrutiny of Annual return on mining machineries	OK	Found,Ok

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)	29/11/2019			

Date :**(G C MEENA)**

Indian Bureau of Mines