

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

MCDR INSPECTION REPORT

Bangalore regional office

Mine file No : KNT/GLB/LST-42/BNG

Mine code : 38KAR10018

- (i) Name of the Inspecting : **256**) **PUKHRAJ NENIVAL**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : **SRI.K.SENDIL KUMAR MINES MANAGER.**
Official with
Designation
- (iv) Date of Inspection : 23/11/2015
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **FEROZABAD LIMESTONE MINE**
- (b) **Registration NO.** : **IBM/18549/2014**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : KARNATAKA
- District : GULBARGA
- Village : FEROZABAD
- Taluka : GULBARGA
- Post office : FEROZABAD
- Pin Code : 585308
- FAX No. : 080-40302844
- E-mail : gcl@zcltd.com
- Phone : 080-41194408
- (f) Police Station : Farthabad
- (g) First opening date : 30/09/2014
- (h) Weekly day of rest : SUN
2. Address for : M/S.GULBARGA CEMENT LIMITED,
correspondance ADVENTZ CENTRE , 2nd&3rd flooor, No 28,
CUBBON RD BANGALORE.
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 : GULBARGA CEMENT LIMITED
Adventz Centre, 3rd Floor
(North Wing), No. 28,
Cubbon Road, Bangalore
BANGALORE KARNATAKA
Phone:
FAX :080-40302844

Owner : S.Sundaram, Director and Nominated owner
Adventz Centre , 2 nd and
3rd floor No 28, Cubbon rd,
Bangalore BANGLORE URBAN
KARNATAKA
Phone: 08041194408
FAX : 08040302844

Agent : K.Sendil Kumar
M/s Gulbarga Cement Ltd.
Kandoor mall ,Office block
1&2,2nd floor,SVP Circle,
Station Bazar &Rd GULBARGA
KARNATAKA
Phone: 8472223776, 9449267494.
FAX :

Mining Engineer
Name : SENDIL KUMAR,Full Time
Qualification :
Appointment/ : 15/07/2013
Termination date

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	60 Bore holes (3000meters)	NIL	
1b	Exploration over lease area for geological axis 1 or 2	20 boreholes (1000mtrs)	NIL	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	100 Lakhs	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	278.44 Ha	NIL	
1e	Balance reserve as on 01/04/20	190.88 Million Tones	190.88 Million Tones	Only OB excavation has been made so far.
1f	General remarks of inspecting officers on geology, exploration etc			Mining operations were commenced in Sep 2014 only. So far no exploration work were carried out so violation has been pointed out.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2pits were proposed .	Pit1 is developed with OB handling from start of mining to till date	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	1 Bench in Top soil & other benches in Limestone	Top soil - 1 Bench OB - - 2 Bench Limestone - No bench.	
2c	Stripping ratio or ore to OB ratio	1: 0.27	OB handling only - No limestone production	
2d	Quantity of topsoil generation in m3	11,25,833 m3 (2012-13 to 2015-16)	15625 m3 has been handled till October 2015 .	
2e	Quantity of overburden generation in m3	NIL	137035 m3 has been handled till October 2015 .	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	As the mining operations are commenced in Sep 2014, entire approved proposals lagging behind thus the violations are pointed out.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit 1 & Pit2	Pit1 - Only Development	
3b	Quantity of ROM mineral production proposed	3003135 MT.	NIL.	
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	NIL	
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	No drilling & Blasting Operations , only OB handling activity is under progress	
3k	Provision of mining machineries in mineral benches	Hydraulic Excavator of 6.5 - 7 m ³ bucket capacity & 55-65 tones dumpers for both overburden & Limestone benches	NIL . No limestone production is raised.	
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	64.62 Ha .	2.43 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.13 .	No limestone production .	
3o	Total area put in use under different heads at the end of year	Mining pit - 8.40 Ha , OB dump- 1.9 Ha Plantation - 1.5 Ha	Mining pit - 2.43 Ha , OB dump- 1.85 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2012-13 - NIL 2013-14 - NIL 2014-15 - NIL 2015-16 - 3003135 tonnes	2012-13 - NIL 2013-14 - NIL 2014-15 - NIL 2015-16 -NIL (upto Oct 2015)	
3q	General remarks of inspecting officers on method of mining etc.			As the mining operations are commenced in Sep 2014, and no limestone production is raised thus the violations are pointed out.

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)	2 dumps for separate dumping of Topsoil & Overburden	2 separate dumps- One for Topsoil and another for Overburden	
4b	Location of topsoil, OB and mineral reject dumps	North to Pit1	North to Pit1	
4c	Number of dumps within lease area and outside of lease area	2 dumps	2 dumps- One for Topsoil and another for Overburden	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	North to Pit1	North to Pit1	
4e	Number of active and alive dumps.	2 dumps	2 dumps- One for Topsoil and another for Overburden	
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			Dumping of OB & top soil is being done seperately.

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.	NA	NA	

5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed and rehabilitated	NA	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No remarks

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).	Proposals is given.	Nil.	Mine is newly opened.
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	NA	NA	
6d	No. of saplings planted during the year	NA	NA	
6e	Cumulative no .of plants	NIL	NIL	
6f	Any other method of rehabilitation	NIL	NIL	
6g	Cost incurred on watch and care during the year	NA	NA	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	NA	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA

6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly environment data monitoring.	Carried out as per proposals.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Only environment data monitoring is being done.

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			OB handling activity is under progress and no limestone production till date.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	YES	YES	

8b	Concurrent use or storage of topsoil	For making bund & Afforestation.	Top soil is stacked at separate dump in North side of the pit and not utilized	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for OB & Top soil.	Actual work as per proposals.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	It is newly opened mine.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	It is newly opened mine.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Total 9,000 saplings were proposed from 2012-13 to 2015-16.	NIL upto Oct 2015	
8g	Survival rate	70-80%	NIL	
8h	Water sprinkling on roads to control airborne dust	YES	YES	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			No plantation has been carried out so far thus violation has been pointed out.

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 up to October 2015 Annual Return submitted for the year 2014-15	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager & Mining Engineer - K.Sendil Kumar. Geologist - Not appointed.	Violation has been pointed out .
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining pit - 0.573 ha	
9d	Scrutiny of Annual return on afforestation	No afforestation.	Violation has been pointed out .
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	
9h	Scrutiny of Annual return on fixed assets	Not mentioned	Violation has been pointed out .
9k	Scrutiny of Annual return on mining machineries	Hydraulic excavator - 1 Tipper - 03	Proposed machinery are not deployed.

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
Rule 13(1)	03/12/2015	03/03/2016			
Rule 42(1)(a)	03/12/2015	03/03/2016			
Rule 45(1)	03/12/2015	03/03/2016			

Date :**(PUKHRAJ NENIVAL)**

Indian Bureau of Mines