

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

**MCDR inspection REPORT**

**Goa regional office**

**Mine file No :** KNT/BJP/LST-61/GOA

**Mine code :** 38KAR26058

- (i) Name of the Inspecting : **SR01** ) **SURESH PRASAD**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Mr. K Venkateshwarlu and Mr. Hemant Verma, Geologist  
Official with  
Designation
- (iv) Date of Inspection : 23/11/2017
- (v) Prev.inspection date : 25/08/2016

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MUDDAPUR(2343)**
- (b) **Registration NO.** : **IBM/418/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : KARNATAKA
- District : BAGALKOT
- Village : muddapur
- Taluka : mudhol
- Post office : muddapur
- Pin Code : 587313
- FAX No. : 08350-289001
- E-mail : factory.muddapur@jkcement.
- Phone : 08350-289000
- (f) Police Station : LOKAPUR
- (g) First opening date : 01/12/2007
- (h) Weekly day of rest : SUN
2. Address for : J.K.CEMENT WORKS, MUDDAPUR  
correspondance P.O.-MUDDAPUR, TQ-MUDHOL  
DIST.-BAGALKOT, KARNATAKA
3. (a) Lease Number : KAR1526
- (b) Lease area : 161.87
- (c) Period of lease : 20
- (d) Date of Expiry : 06/10/2018
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : J.K.CEMENT LTD  
 KAMLA TOWER KANPUR UP  
 KANPUR UTTAR PRADESH  
 Phone:0512-2371478  
 FAX :0512-2399854

Owner : K. N. Khandelwal  
 Kamla Tower KANPUR URBAN  
 UTTAR PRADESH  
 Phone:  
 FAX : 05122399854

Agent : ANTRIKSHA KUMAR JAIN  
 J. K. Cement Works,  
 Village-Muddapur Taluka-  
 Mudhol BAGALKOT KARNATAKA  
 Phone: 08350-289104, 9686502250  
 FAX : 08350-289001

Mining Engineer  
 Name : NITIN PUROHIT, Full Time  
 Qualification : B.E MINING WITH 23 YEARS EXPERIENCE  
 Appointment/ : 07/11/2014  
 Termination date

Geologist  
 Name : Hemant Verma, Full Time  
 Qualification : M. Tech Applied Geology)  
 Appointment/ : 16/04/2011  
 Termination date

Manager  
 Name : PAVAN KUMAR DESHMUKH  
 Qualification : BE MINING WITH FCC CERTIFICATE  
 Appointment/ : 15/04/2016  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	01/12/2006
		Mining Scheme rule 12 MCDR1988	22/08/2011
		Modif.approved Mining Scheme	04/03/2014
		MP modif under MCR 1960	03/03/2016

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	30 holes	nil	No exploration undertaken in the year 2016-17.
1b	Exploration over lease area for geological axis 1 or 2	3.4 ha	nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	In house proposed	Nil	Not undertaken.
1d	Balance area to be explored to bring Geological axis in 1 or 2	37.43 ha	nil	
1e	Balance reserve as on 01/04/20	53.826 Million Tons	55.12 Million Tons	
1f	General remarks of inspecting officers on geology, exploration etc			Deviaion observed and issued violaion.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks	
2a	Location of development w.r.t.lease area	N: 1792416 N: 1792721 E:534019 E: 534214	N: 1792525 E:534050	N: 1792721 E: 534190	Deviation observed.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	yes		
2c	Stripping ratio or ore to OB ratio	1:0.047	1:0.002	waste/OB handling is less.	
2d	Quantity of topsoil generation in m3	53625 tons	2910tons	less as new pit as proposed were not commenced.	

2e	Quantity of overburden generation in m3	27500m3	nil	no hanling achieved.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			less developement achieved w.r.t. proposed.

---

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3 nos.	2 nos.	Proposal for opening of new pit was not achieved.
3b	Quantity of ROM mineral production proposed	1.999Million Tons.	1.389MT	
3c	Recovery of sailable/usable mineral from ROM production	1.999MT	1.389MT.	
3d	Quantity of mineral reject generation	nil	nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	THV-+35% CaO
3f	Quantity of sub grade mineral generation.	Nil	NIL	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	Study carried out by IBM Bengaluru for upgradation of subgrade mineral.
3j	Provision of drilling and blasting in mineral benches	Deep Hole drilling & control blasting	Deep Hole drilling & control blasting	
3k	Provision of mining machineries in mineral benches	HEMM	HEMM	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Suitable	Yes	
3m	Total area covered under excavation/pits	12.15 Ha.	3.32 Ha.	Less due to new pit was not started as proposed.
3n	Ore to OB ratio for the pit/mine during the year.	'1:0.047	'1:0.002	
3o	Total area put in use under different heads at the end of year	46.57 Ha.	40.35 Ha.	
3p	Production of ROM mineral during the last five year period as applicable	9.95MT	5.400 MT	Due to less captive consumption.
3q	General remarks of inspecting officers on method of mining etc.			Deviation observed in the working locations w.r.t. proposed.

---

Solid Waste Management - Dumping:

---

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

---

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	Less generation.
4b	Location of topsoil, OB and mineral reject dumps	N: 1793456 N: 1793960 E:535374 E: 535726	N: 1793520 E:535290 535345	N: 1793570 E:
4c	Number of dumps within lease area and outside of lease area	3 (within lease area)	1 (within lease area)	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside of ultimate pit limit	Outside of ultimate pit limit	
4e	Number of active and alive dumps.	3	1	
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.			Bund provided.
4i	Length of Retaining wall or garland drain all along dumps	RW length: 220m & GD: 180m	Nil	Less waste handling achieved.
4j	Number of settling ponds		nil	
4k	Specific comments of inspecting officer on waste dump management			Less Waste handling achieved.

---

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	used for plantation.
5d	Total area fully reclaimed and rehabilitated	nil	nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No backfilling proposed.

---

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).	yes	yes	
6b	Area available for rehabilitation (ha) .	nil	nil	
6c	afforestation done (ha).	0.45 Ha	0.33 Ha	Green belt development.
6d	No. of saplings planted during the year	1125 nos.	863 nos.	
6e	Cumulative no .of plants		22171Nos.	

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	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)	Yes	available	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No R& R started.Plantation for green belt dev. undertaken.

---

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	NA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	NIL	NIL	
7d	Any beneficiation process at mines		NIL	

7e General remarks of inspecting officer on Mineral conservation and beneficiation issues

ROM send to captive plant.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	For afforestation purpose	For afforestation purpose	
8b	Concurrent use or storage of topsoil		Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)		nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	nil	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			Top soil generation is very less and used for plantation purposes.

## Compliance of Rule 45:

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

9a	Status of submission of Monthly and Annual returns	Yes	Yes	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	yes	yes	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		nil	
9d	Scrutiny of Annual return on afforestation		nil	
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			Blasted material available in the mine pit reported as production.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		nil	
9h	Scrutiny of Annual return on fixed assets		nil	
9k	Scrutiny of Annual return on mining machineries		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
MCDR17	Rule 11(1)	01/12/2017			

**Date :**

**(SURESH PRASAD)**

Indian Bureau of Mines