

**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 : P01) PREM PRAKASH
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHRI. PAWANKUMAR DESHMUKH, MINES MANAGER
Official with
Designation
- (iv) Date of Inspection : 07-JUL-18
- (v) Prev.inspection date : 23-NOV-17

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.co
- Phone : 08350-289000
- (f) **Police Station** : LOKAPUR
- (g) **First opening date** : 01-DEC-07
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : J.K.CEMENT WORKS, MUDDAPUR
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-OCT-18
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-NOV-14
 Termination date

Geologist

Name : Hemant Verma,Full Time
 Qualification : M. Tech Applied Geology)
 Appointment/ : 16-APR-11
 Termination date

Manager

Name : PAVAN KUMAR DESHMUKH
 Qualification : BE MINING WITH FCC CERTIFICATE
 Appointment/ : 15-APR-16
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	01-DEC-06
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	22-AUG-11
	:	Modif.approved Mining Scheme	04-MAR-14
	:	MP modif under MCR 1960	03-MAR-16
	:	MP modif under 17(3) MCR 2016	25-MAY-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	30 nos.	Nil	Modification of Mining plan approved on 25.5.2018 in which exploration is reviewed & fresh proposal given.
1b	Exploration over lease area for geological axis 1 or 2	28 nos.	nil	Violation issued for exploration not commenced.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1e	Balance reserve as on 01/04/20			56.627 mill. te as on 01/04/2018
1f	General remarks of inspecting officers on geology, exploration etc			Violation issued for exploration not commenced.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit-2,3,4	Pit-2,3	Modification of Mining plan approved on 25.5.2018 in which excavation/development reviewed & ratified.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	-	-	Topsoil & overburden generation negligible
2c	Stripping ratio or ore to OB ratio	1:0.039	1:0.003	
2d	Quantity of topsoil generation in m3	2500 m3	1644m3	2466 te.
2e	Quantity of overburden generation in m3	49000	nil	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Topsoil reported utilized for plantation & overburden generation negligible
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3 Pits	2 Pits	
3b	Quantity of ROM mineral production proposed	2.0 MT	0.53 MT	FY 2017-18
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	-	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	
3j	Provision of drilling and blasting in mineral benches	Deep Hole drilling & blasting	Deep Hole drilling & 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	Suitable	
3m	Total area covered under excavation/pits	31.11 Ha	26.82 Ha	cumulative
3n	Ore to OB ratio for the pit/mine during the year.	1:0.039	1:0.003	cumulative
3o	Total area put in use under different heads at the end of year	49.86 Ha.	About 47 Ha.	cumulative
3p	Production of ROM mineral during the last five year period as applicable	2013-14 2.0 MTPA 2014-15 2.0 MTPA 2015-16 2.0 MTPA 2016-17 2.0 MTPA 2017-18 2.0 MTPA	2013-14 1.08MT 2014-15 1.43MT 2015-16 0.189MT 2016-17 1.389MT 2017-18 0.532MT	
3q	General remarks of inspecting officers on method of mining etc.			Mechanized open cast mining method being followed with Excavator & dumper combination.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	yes	NA	
4b	Location of topsoil, OB and mineral reject dumps	proposed	Nil	
4c	Number of dumps within lease area and outside of lease area	Lease area = 3 nos. Non Lease area = Nil	Lease area = 1 no. Non Lease area = Nil	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the ultimate pit limit	Outside the ultimate pit limit	
4e	Number of active and alive dumps.	-	-	
4f	Number of dead dumps.	-	nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	--	NA	
4i	Length of Retaining wall or garland drain all along dumps	RW length: 94m & GD: 236m	nil	Topsoil reported utilized for plantation & overburden/waste generation negligible
4j	Number of settling ponds	nil	nil	
4k	Specific comments of inspecting officer on waste dump management			overburden/waste generation reported negligible

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 Nil Nil
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).	yes	no	Violation issued for the same
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	850 Nos.	865 no.	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	-	0.93 ha.	10512 Nos Plantation cumulative
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation	
6p	Compliance of environmental monitoring (core zone and buffer zone)	-	complied	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Violation issued for non-submission of Annual report on PMCP

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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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.	NA	NA	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Captive use of mineral produced for cement making.

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	yes	Utilized For afforestation purpose	
8b	Concurrent use or storage of topsoil	Storage	For afforestation purpose	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	--	10512 Nos Plantation cumulative	
8g	Survival rate			
8h	Water sprinkling on roads to control airborne dust	--	provided	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			OK

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	--	MR Submitted up to = May 2018 AR Submitted of Year 2017-18	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	yes	appointed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes	Ok	
9d	Scrutiny of Annual return on afforestation	865 nos.	yes	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NA
9f	Scrutiny of Annual return on ROM stock and/or graded ore	309606 te	Anomalies observed in submitted Annual return of FY 2017-18, and Monthly return of May'2018, have pointed out through Violation letter.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	180 & 201	-

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)	27-JUL-18			
MCDR17	Rule 26(2)	27-JUL-18			
MCDR17	Rule 45(7)(a)	27-JUL-18			

Date :

(PREM PRAKASH)

Indian Bureau of Mines