

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

**Review and updation of Mining Plan REPORT**

**Jabalpur regional office**

**Mine file No :** MP/STN/LST-302

**Mine code :** 38MPR35277

- (i) Name of the Inspecting : **G004** ) **OM PRAKASH GOPAL**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri D. Roy Agent  
Official with  
Designation
- (iv) Date of Inspection : 07-MAY-19
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BHATIA LIMESTONE 9.008 HA**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : SATNA  
Village : BHATIA  
Taluka : MAIHAR  
Post office : BHATIA  
Pin Code : 485771  
FAX No. : NA  
E-mail : NA  
Phone : NNA
- (f) Police Station :
- (g) First opening date : 04-APR-04
- (h) Weekly day of rest : SUN
2. Address for : M/S KJS CEMENTS LTD.  
correspondance : VILLAGE -. AMALIA, P.O. MAIHAR,  
DIST. SATNA (M.P.) 485771
3. (a) Lease Number : MPR0443
- (b) Lease area : 7.86
- (c) Period of lease : 20
- (d) Date of Expiry : 04-NOV-95
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : KJS CEMENTS LTD.  
 VILLAGE -. AMALIA, P.O.  
 MAIHAR SATNA MADHYA  
 PRADESH  
 Phone:07674- 232042, 232089  
 FAX :07674-232580

Owner : KJS CEMENTS LTD.  
 A-7, Maharaniabag NEW DELHI  
 SATNA MADHYA PRADESH  
 Phone: NA  
 FAX : NA

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	17-JUL-03
Plan/Scheme of Mining	:	PMCP under 23B(2) for Existing	23-FEB-07
	:	Mining Scheme rule 12 MCDR1988	18-MAY-09
	:	Mining Scheme rule 12 MCDR1988	09-JUL-14

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal in previous year	-	-
1b	Exploration over lease area for geological axis 1 or 2	No proposal	-	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	-	-
1e	Balance reserve as on 01/04/20	No proposal	Reserves as on 1/2/2019 : 1360910 tonnes	-
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Limestone deposit of the area belongs to Bhandar Group of Vindhyan Super Group. Deposit is stratified strataboun tabular deposit of regular habit.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In western Block.	In eastern block. Pit development not done as per approved proposal	Development not done at approved location . Violation under Rule 11(1) of MCDR'2017 pointed out for site deviation.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Seperate benches in top soil, OB and mineral proposed	Seperate benches in top soil, OB and mineral benches are being maintained	-
2c	Stripping ratio or ore to OB ratio	1:0.29	1:0.44	Development not done at approved location leading to deviation in stripping ratio. Violation under Rule 11(1) of MCDR'2017 pointed out.
2d	Quantity of topsoil generation in m3	6384m3	12528m3	Development not done at approved location leading to deviation in soil production. Violation under Rule 11(1) of MCDR'2017 pointed out.
2e	Quantity of overburden generation in m3	5821m3	5000m3	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Pit development not done at approved location . Violation under Rule 11(1) of MCDR'2017 pointed out.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	-
3b	Quantity of ROM mineral production proposed	41235 tonnes	39553 tonnes (upto 31/01/2019)	-
3c	Recovery of sailable/usable mineral from ROM production	85%	85%	-

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3d	Quantity of mineral reject generation	NIL	NIL	-
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	-
3f	Quantity of sub grade mineral generation.	NIL	-	-
3g	Grade of sub grade mineral generation	NA	NA	-
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	NA	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	-	-
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	2.5 ha	4.0 ha (apprx)	Violation under rule 11(1) of MCDR'2017 issued for deviation from approved proposal
3n	Ore to OB ratio for the pit/mine during the year.	1:0.29	1:0.44	-

3o	Total area put in use under different heads at the end of year	3.1545 ha	7.26 ha (approx)	Violation under Rule 11(1) of MCDR, 2017 issued
3p	Production of ROM mineral during the last five year period as applicable	2014-15 - 38526 tonnes 2015-16 - 40163 tonnes 2016-17 - 40832 tonnes 2017-18 - 39525 tonnes 2018-19 - 41235 tonnes	2014-15 - 38496 tonnes 2015-16 - 39494 tonnes 2016-17 - 39744 tonnes 2017-18 - 18023 tonnes 2018-19 - 39553 tonnes (upto 31/1/2019)	
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)	Simultaneous backfilling	In pit stacking. Backfilling not done as per approved proposal	Violation under rule 11(1) of MCDR'2017 pointed out
4b	Location of topsoil, OB and mineral reject dumps	Simultaneous backfilling	In pit stacking. Backfilling not done as per approved proposal	Violation under rule 11(1) of MCDR'2017 pointed out
4c	Number of dumps within lease area and outside of lease area	one	one	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Inside UPL (old dump)	Inside UPL	-
4e	Number of active and alive dumps.	one	one	-
4f	Number of dead dumps.	None	None	-
4g	Number of dumps established.	None	None	-

4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	-	-
4i	Length of Retaining wall or garland drain all along dumps	No proposal	-	-
4j	Number of settling ponds	None	-	-
4k	Specific comments of inspecting officer on waste dump management	Simultaneous backfilling proposed	No mature area for backfilling developed. Generated waste are stacked on pit floor.	V/L under Rule 11(1) of MCDR'2017 communicated

#### 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.	Full extraction	No mature area for backfilling developed till reporting period.	-
5b	Area under backfilling of mined out area	5740m2	NIL	UPD not reached till reporting period.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Carpetting on backfilled area	Backfilling not started till reporting period	-
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Concurrent backfilling poroposed	No mature area for backfilling developed till reporting period.	-

#### 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).	-	No	-
6b	Area available for rehabilitation (ha) .	Not mentioned	-	-
6c	afforestation done (ha).	400m2	400m2	-
6d	No. of saplings planted during the year	40	40	-
6e	Cumulative no .of plants	Not mentioned	-	-
6f	Any other method of rehabilitation	Not mentioned	-	-
6g	Cost incurred on watch and care during the year	Not mentioned	-	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Simultaneous backfilling proposed	Backfilling not done	V/L issued
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Simultaneous backfilling proposed	Backfilling not done	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No proposal	Not done	-

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not done	-
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Not done	-
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal	-	-
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal	-	-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	-	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring for noise, air and water	Monitoring done	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	-

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Mineral Conservation:

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Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Dispatch of ROM	Dispatch of ROM	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	-	-
7c	Different grade of mineral sorted out at mines.	NA	-	-
7d	Any beneficiation process at mines .	None	-	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	It is captive mine and ROM are dispatched as per plant's requirement

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Seperate removal and concurrent backfilling proposed	Seperate removal and stacking	-
8b	Concurrent use or storage of topsoil	Concurrent backfilling	stacking	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Concurrent backfilling and no proposal for external duming	Inpit stacking	Violation pointed out

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8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Not done as per proposal	Violation pointed out
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Not done	Violation pointed out
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not mentioned	-	-
8g	Survival rate	80%	80%	-
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	-	-	Aesthetic beauty in and around mine area are being maintained

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR asubmitted. AR for the reporting period not submitted till the date of inspection	-	-

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	AR for reporting period not submitted till the date of inspection	-	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR for reporting period not submitted till the date of inspection	-	-
9d	Scrutiny of Annual return on afforestation	AR for reporting period not submitted till the date of inspection	-	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	AR for reporting period not submitted till the date of inspection	-	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	AR for reporting period not submitted till the date of inspection	-	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	AR for reporting period not submitted till the date of inspection	-	-
9h	Scrutiny of Annual return on fixed assets	AR for reporting period not submitted till the date of inspection	-	-
9k	Scrutiny of Annual return on mining machineries	AR for reporting period not submitted till the date of inspection	-	-

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**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)	17-JUL-19			
MCDR17	Rule 11(1)	17-JUL-19			

**Date :**

**(OM PRAKASH GOPAL)**

Indian Bureau of Mines