

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

**MCDR INSPECTION REPORT**

**Jabalpur regional office**

**Mine file No :** MP/STN/LST-110

**Mine code :** 38MPR35020

- (i) Name of the Inspecting : **MQ08** ) **R.S.Munda**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 09-MAR-18
- (v) Prev.inspection date : 29-SEP-16

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BHATIYA ( 8.09 HA )**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : SATNA  
Village : BHATIYA  
Taluka : MAIHAR  
Post office : BHATIYA VIA MAIHAR  
Pin Code : 485771  
FAX No. : N. A.  
E-mail : N. A.  
Phone : N. A.
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest : TUE
2. Address for : M/S KJS CEMENTS LTD.  
correspondance : VILLAGE -. AMALIA, P.O. MAIHAR,  
DIST. SATNA (M.P.) 485771
3. (a) Lease Number : MPR0479  
(b) Lease area : 8.09  
(c) Period of lease : 20  
(d) Date of Expiry : 14-AUG-99
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	:	Mining Scheme rule 12 MCDR1988	15-DEC-06
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	28-AUG-09
	:	Mining Scheme rule 12 MCDR1988	04-DEC-14

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	4 Diamond Core/DTH bore holes during 2014-15.	Not done.	
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	
1d	Balance area to be explored to bring Geological axis in 1 or 2	8.094Ha under G1 Level.	Proposed exploration is not done.	
1e	Balance reserve as on 01/04/20	341334 Tonnes under 111 (As on 1/04/2013)	291533 Tonnes under 111 (As on 1/04/2016)	
1f	General remarks of inspecting officers on geology, exploration etc	None	None	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Near eastern boundary of the pit.	Near eastern boundary of the pit.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	OB(Soil)-0.75m Shale-2.0m Limestone-4.0m	Soil-1m to 1.5m Shale-2m Limestone bench- Waterlogged	
2c	Stripping ratio or ore to OB ratio	1:0.76	Not observed as the mine was closed.	

2d	Quantity of topsoil generation in m3	14-15-2325m3 15-16-2253m3 16-17-2261m3	Though seperate dumps of Top soil were noticed near the northern boundary but proper record of top soil has not been maintained.
2e	Quantity of overburden generation in m3	14-15-7720m3 15-16-7684m3 16-17-7707m3	14-15-NA 15-16-6900m3 16-17-00
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	Pit No. II having the size of 110mx15mx4m was abandoned pit in which any development was not proposed in the current SOM.
3b	Quantity of ROM mineral production proposed	14-15-25075T 15-16-24990T 16-17-25032T	14-15-24898T 15-16-24903T 16-17-Nil	--
3c	Recovery of sailable/usable mineral from ROM production	85%	Not noticed as the mine was closed as on date of inspection.	--
3d	Quantity of mineral reject generation	Not anticipated.	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable.	Not applicable	--
3f	Quantity of sub grade mineral generation.	Not anticipated	Not anticipated	--

3g	Grade of sub grade mineral generation	Not applicable	Not applicable	It was proposed that entire subgrade material will be utilized after systematic blending with high grade mineral.
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	Not done	The mine was not in operation as on date of inspection.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not done	Limestone is cement grade .Hence beneficiation is not required.
3j	Provision of drilling and blasting in mineral benches	Not proposed	At the time of inspection the mine was closed	--
3k	Provision of mining machineries in mineral benches	Not proposed	Not noticed as the mine was not in operation during the insepction.	--
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NIL	NIL	--
3m	Total area covered under excavation/pits	3.5ha	3.4Ha (approx)	----
3n	Ore to OB ratio for the pit/mine during the year.	1:0.76	At the time of inspection the mine was not in operation.	
3o	Total area put in use under different heads at the end of year	6.6214Ha (Till 18-19)	6.0Ha (Approx.) Till date.	---

3p	Production of ROM mineral during the last five year period as applicable	12-13-17254T 13-14-32288T 14-15-25075T 15-16-24990T 16-17-25032T	12-13-17254T 13-14-Nil 14-15-24898T 15-16-24903T 16-17-Nil	---
3q	General remarks of inspecting officers on method of mining etc.	NIL	NIL	NIL

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top Soil- 2261m3(16-17) Waste- 7707m3(16-17)	Nil	As on date of inspection the mine was closed.
4b	Location of topsoil, OB and mineral reject dumps	Top soil-Near Northern boundary between BP No. 2 and 3. Waste- Near Northern boundary between BP No. 4 and 5.	Soil dump between BP-2 and 3 Waste dump-BP-1 and 2 near BP-4 and BP-8 and 9.	--
4c	Number of dumps within lease area and outside of lease area	Not proposed	NA	--
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	NA	
4e	Number of active and alive dumps.	Not proposed	All dumps are alive.	--
4f	Number of dead dumps.	Not proposed	NA	--
4g	Number of dumps established.	Not proposed.	NA	--

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4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed.	None seen.	--
4i	Length of Retaining wall or garland drain all along dumps	Not proposed.	NA	--
4j	Number of settling ponds	Not proposed.	None seen.	--
4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	--

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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.	Not proposed	NA	--
5b	Area under backfilling of mined out area	Not proposed	NIL	--
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	The soil & OB/waste generated will be stacked and will be used for back filling during conceptual period.	Done as per above proposal.	--
5d	Total area fully reclaimed and rehabilitated	Not proposed.	NIL	--
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	NA	--

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 Progressive Mine Clousre Plan:
 

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Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	NIL	NIL	--
6b	Area available for rehabilitation (ha) .	Nil	Nil	--
6c	afforestation done (ha).	Proposed 40no. of trees per year.	40.	--
6d	No. of saplings planted during the year	40 nos.	40 nos.	--
6e	Cumulative no .of plants	Not proposed.	NA.	--
6f	Any other method of rehabilitation	Not proposed	NA	--
6g	Cost incurred on watch and care during the year	Rs.-20,000/-	NA	--
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not proposed	NIL	--
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	--

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6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No reclamation and rehabilitation was proposed during the proposal period.	NA	--
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed.	None done	--
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None proposed	None done	--
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	About 2000 no. of trees will be planted at the end of conceptual period.	NA.	--
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL	--
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Rehabilitation will be done by way of growing fruit bearing trees and fuel wood for commercial utility for the local community at the end of conceptual period.	NIL	NIL

6p	Compliance of environmental monitoring (core zone and buffer zone)	None proposed.	None done.	--
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	--	--

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not proposed.	As on date of inspection the mine was not in operation.	--
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed.	Direct ROM dispatch	--
7c	Different grade of mineral sorted out at mines.	Cement grade	Cement grade	--
7d	Any beneficiation process at mines .	Not proposed	None done.	--
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	---	--	--

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	The generated quantity of soil & waste will be stacked separately and will be used for backfilling in the mined out area during conceptual period.	Seperate Removal	--
8b	Concurrent use or storage of topsoil	The generated quantity of soil & waste will be stacked separately and will be used for backfilling in the mined out area during conceptual period.	Stacked separately and will be utilised for backfilling	--
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed.	Separate dump for overburden.	--
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	The generated quantity of soil & waste will be stacked separately and will be used for backfilling in the mined out area during conceptual period.	Stacked separately and will be utilised for backfilling	--

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	None done	--
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not proposed	None seen.	--
8g	Survival rate	80%	Actual 80%	--
8h	Water sprinkling on roads to control airborne dust	Not proposed	None seen.	--
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not proposed	NA	NA

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR-2016-2017 MR-2016-2017	Monthly returns and Annual returns for the proposal year have been submitted.	--
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer-None Manager- Shri Ashok Singh Geologist- Shri P.K. Mishra	Mining Engineer-None Manager- Shri Ashok Singh Geologist- Shri P.K. Mishra	--

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area already exploited-00Ha Covered under curretn working- 3.050Ha Area Reclaimed and Rehabilitated- Nil Used for waste disposal-0.20	Area already exploited- 00Ha Covered under curretn working- 3.050Ha Area Reclaimed and Rehabilitated- Nil Used for waste disposal- 0.20	
9d	Scrutiny of Annual return on afforestation	40Nos. with 80% Survival Rate-	40Nos. with 60% Survival Rate-	--
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	--
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	--
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL	--
9h	Scrutiny of Annual return on fixed assets	NIL	NIL	--
9k	Scrutiny of Annual return on mining machineries	Shovel-1.2m3 Dumpers-3Nos.	None seen.	--

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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

**Date :**

**(R. S. Munda)**

Indian Bureau of Mines