

MCDR-MiFLOLST/54/2022-JBP-IBM\_RO\_JBP  
INDIAN BUREAU OF MINES

MINERALS DEVELOPMENT AND REGULATION DIVISION

I/34070/2024

MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/STN/LST-72

Mine code : 38MPR35140

- (i) Name of the Inspecting : C004 ) ROBERT SIMON C  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : SHRI ATINDRA BHATTACHARYA, MINING ENGINEER  
Official with  
Designation
- (iv) Date of Inspection : 31-OCT-23
- (v) Prev.inspection date : 20-OCT-22

PART-I : GENERAL INFORMATION

1. (a) Mine Name : BHATIYA ( 7.859 HA )
- (b) Registration NO. : IBM/5097/2011
- (c) Category : A Mechanised
- (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. : 07672239311  
E-mail : kjscement@gmail.com  
Phone : 07672239900, Mo. No. 738
- (f) Police Station :
- (g) First opening date : 04-NOV-75
- (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 : 50
- (d) Date of Expiry : 03-NOV-5
4. Mineral worked : LIMESTONE Main

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## 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	29-MAY-03
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	23-MAR-07
	:	Mining Scheme rule 12 MCDR1988	03-SEP-13
	:	MP modif under MCR 1960	04-NOV-15
	:	MP review under 17(1) MCR 2016	31-JUL-20

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

## EXPLORATION :

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	NA	
1c	Exploration Agency	Not proposed	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not specified	7.859 HA area already explored in G-1 explored.	
1e	Balance reserves	Not specified	111-582232.50	The details updated as per latest approved FMCP dt.02.04.2024.
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire lease area is considered under G1 level. Deposit is stratiform and tabular. expired in 03/11/2025.		Lease period is going to be

## Development :

Sl.No.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	South western part of the lease area	South western part of the lease area	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Proposed	maintained	-
2c	Stripping ratio or ore to OB ratio	1:0.37	1:0.40	-
2d	Quantity of topsoil generation in m <sup>3</sup>	9838	10200	
2e	Quantity of overburden generation in m <sup>3</sup>	2618	2598	

2f General remarks of The generated waste is being utilised in the eastern Inspecting officer portion of the lease as part of the PMCP and FMCP on development measures.  
of pit  
w.r.t type of  
deposit  
etc.

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Exploitation :

Sl.No.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	1 pits were proposed for production	1 pits	
3b	Quantity of ROM production proposed (2022-23)	26136 t	24987 T	
3c	Recovery of Salable/usable mineral from ROM production	80%	80%	
3d	Quantity of mineral reject generation	Nil	Nil	No mineral reject generation
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	No mineral reject generation
3f	Quantity of sub-grade mineral generation	Nil	Nil	No sub-grade mineral generation
3g	Grade of sub-grade mineral generation	Nil	Nil	No sub-grade mineral generation
3h	Manual/Mechanized method adopted for segregation from ROM	manual	manual	
3i	Any analysis or beneficiation study proposed & carried out for sub- grade mineral and reject	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	proposed with 2.5m X3.0mX 5.0m blast design.	As per proposal	
3k	Provision of mining machineries in mineral benches	Exxcavator/ Loader with Rock breaker 1.2cum bucket	Exxcavator/ Loader with - Rock breaker 0.9cum bucket	

		capacity 2No. Dumper 30tonner 2nos Dumper 16tonner 16nos Wagon Drill 110mm1no Water sprinkller 5000ltr 1No.	capacity1No. Dumper16tonner 3nos Water sprinkller 5000ltr 1No.
3l	Whether height of benches in OB and mineral suitable for method of mining proposed in MP/SOM	Yes	Existing bench height in - top soil, overburden and in limestone are suitable for the proposed mining machineries
3m	Total area covered under excavation /pits	Not specified	2.35 hect
3n	Ore to OB ratio for the pit/mine during the year	1:0.37	1:0.40
3o	Total area put in use under different heads at the end of year	Not specified	5.55 hect (approx.)
3p	Production of ROM mineral during last five-year period, as applicable	2018-19-25350 T 2019-20-25778 T 2020-21-25900 T 2021-22-25260 T 2022-23-26136 T	2018-19- Nil T 2019-20- Nil T 2020-21-22446 T 2021-22-24677 T 2022-23-24987 T
3q	General remarks of inspecting officer on method of mining etc	The excavated waste is being utilised in the eastern portion of the lease as part of the PMCP and FMCP measures.	

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## Solid waste management-dumping :

Sl.No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of Top soil and Mine waste proposed	The top soil generated have utilised for preparation of bund, & plantation and mine waste have dumped on proposed site.	
4b	Location of topsoil, OB & mineral reject dumps	Top soil proposed close to BP. No. 6 & BP. No.7 and Mine waste dumps about 100m away from BP No. 6	The top soil generated have utilised for preparation of bund, & plantation and mine waste have dumped on proposed site.	
4c	Number of Dumps within lease area and outside lease area	02	02	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	within UPL	within UPL	
4e	Number of Active & Alive dumps	2	1	
4f	Number of dead dumps	0	0	
4g	Number of dumps established	0	0	
4h	Whether Retaining wall or garland drain all along dumps are there	Garland drain proposed	100 m of Garland drain seen	
4i	Length of Retaining wall or garland drain all along dump	Garland drain proposed	100 m of Garland drain seen	
4j	Number of settling ponds	01	01	
4k	Specific commends officer on waste dump management	Top soil and mine waste generated during mining operations have been kept on the site selected for the purpose. Waste dump management are acceptable.		

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## Solid waste management-backfilling :

Sl.No.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Backfilling not proposed	Nil	
5b	Area under backfilling of mined out area	Not proposed	Nil	
5c	Concurrent use of Topsoil for restoration or rehabilitation of mined out area (Rule 32)	concurrent use of top soil proposed for plantation at the same time excess quantity of top soil proposed for dumping for restoration and rehabilitation of mines out land.	Soil dump actualy in very less quantity seen dumped on earmarked site.	
5d	Total area fully rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling and reclamation neither proposed nor carried out. Pit is not matured for backfilling and reclamation.		

## Progressive mine closer plan

Sl.No.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26(2). Details should be given in the format as given in Annexure-20	Yes	Submitted	
6b	Management of worked/mined out benches	Not Proposed	NA	
	i)Area available for rehabilitation	Nil	NA	

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(Ha)

	ii)Afforestation done (ha)	0.11	0.145
	iii)No. of saplings planted during the year	125	105
	iv)Cumulative no. of plants	Not specified for the year	450 (approx.)
	v) Any other specific method of rehabilitation	Nil	
	vi)Cost incurred on watch & care during the year	Not specified	NA
6c	Compliance on reclamation and rehabilitation by backfilling	NA	NA
	i) Voids available for backfilling (L X B X D)	NA	NA
	ii) Void filled by waste/tailings	NA	NA
	iii) Afforestation on the backfilled area	NA	NA
	iv) Rehabilitation by making water reservoir	NA	NA
	v) Any other specific means	NA	NA
6d	Compliance of Rehabilitation of waste land within lease	NA	NA
	i) Afforestation	NA	NA
	ii) Area rehabilitated (ha)	NA	NA
	iii) Method of rehabilitation	NA	NA



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6e	Compliance of Environment monitoring (core zone & buffer zone)	Environment monitoring proposed	Carried out
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Afforestation being done in line with approved PMCP.	

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 Mineral conservation :

Sl.No.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral dispatch proposed	ROM mineral dispatch done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Proposed	No needs of grade wise sorting as entire limestone have an average grade of +44 Cao content which is within cut of grade of the cement plant	
7c	Different grade of mineral sort out at mine	Not specified	Cement grade	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Entire mineral produced from the mine have an average grade of limestone within cut of grate of the cement plant.		

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 ENVIRONMENT

Sl.No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	proposed	For plantation	

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8b	Concurrent use or storage of topsoil	For stacking	For plantation
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	proposed	Mine waste generated during mining of mineral separately dumped/ stacked.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	Mine waste generated during mining of mineral separately dumped/ stacked.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	Rehabilitation adopted
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed	125 nos of saplings planted.
8g	Survival rate	80%	90%
8h	Water sprinkling on roads to control airborne dust	yes	Regular Water sprinkling on roads to control airborne dust is in practice by lessee's water tanker.
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area needs improvement.	

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## Compliance of rule 45 :

Sl.No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of monthly and Annual returns	Returns are submitted on line	Returns are submitted on line.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The details wrt to Manager & Geologist in charge were furnished.	Manager : Atindra Bhattacharyya Mining Engineer in charge: Atindra Bhattacharyya Geologist in charge : Satpal Singh Raghuwanshi	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited and abandoned by opencast (O-C) mining 0.000 0.000 0.000 (ii) Covered under current (O-C) Workings 0.000 1.669 1.669 (iii) Reclaimed-rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 3.156 3.156 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.240 0.240 (vi) Used for any other purpose (specify) Others 0.000 0.145 0.145 (vii) Work done under progressive mine closure plan during the year	The details wrt to Lease area (surface area) utilisation as at the end of year is by and large furnished as per survey.	

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0.000 0.145  
0.145

9d	Scrutiny of Annual return on afforestation	Given	Description Within lease area Outside lease area i) Number of trees planted during the year 125 0 ii) Survival rate in percentage 90 0 iii) Total no. of trees at the end of the year 485 0
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Given	Opening stock : Nil Production:24987.587 Despatches:24987.587 Closing stock:Nil T
9g	Scrutiny of Annual return on sale value, Ex Mine price & production costs	Given	Cost of production - Rs.316.64; Ex mine price- Rs. 316.64
9i	Scrutiny of Annual return on Fixed assets	Given	Rs.4621839
9k	Scrutiny of Annual return on mining Machineries	Given	Type of Machinery: Give the following information for the types of machinery in use such as hoist, fans, drills, loaders, excavators, dumpers, haulages, conveyors, pumps, etc. Type of machinery Capacity of each type of machinery Unit (in which capacity is reported) No. of machinery

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Electrical  
Nonelectrical  
(specify)  
Used in  
opencast  
underground  
(specify)  
BACK HOE 0.900 CUM 1  
Non Electrical  
Opencast  
DUMPER 16.000 TONNE 3  
Non Electrical  
Opencast  
WATER TANKER 5000.000  
LITRE 1 Non Electrical  
Opencast

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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 :****(ROBERT SIMON C)**

Indian Bureau of Mines