

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/STN/LST-207

Mine code : 38MPR35098

- (i) Name of the Inspecting : **KQ06**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : K P Nigam (Agent-Mines), Anil Kumar (Mining Engineer)
Official with
Designation
- (iv) Date of Inspection : 16-NOV-19
- (v) Prev.inspection date : 14-OCT-17

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHATIA**
- (b) **Registration NO.** : **IBM/5097/2011**
- (c) Category : A Fully Mechanised
- (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. : 07674-232580
E-mail : snsahr@sancharnet.in
Phone : 07674- 232042, 232089
- (f) Police Station : Nadan
- (g) First opening date : 01-MAY-92
- (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 : MPR0615
- (b) Lease area : 10.43
- (c) Period of lease : 20
- (d) Date of Expiry : 28-MAY-22
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	:	Renewal under rule 24 MCR1960	22-DEC-04
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	21-JUN-11
		Mining Scheme rule 12 MCDR1988	08-MAY-12
		Mining Scheme rule 12 MCDR1988	27-AUG-13
		MP review under 17(1) MCR 2016	25-APR-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NA	NA	
1b	Exploration over lease area for geological axis 1 or 2	Not proposed	No exploration done in 2018-19.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	5.225 ha. G1 2.624 ha. G2 2.582 ha. G4	5.225 ha. G1 2.624 ha. G2 2.582 ha. G4	
1e	Balance reserve as on 01/04/20	Proved Reserve (111) 336739 MT Probable Reserve (122) 407984 MT Feasibility Mineral Resource (211) 485095 MT Pre-Feasibility Mineral Resource (222) 252600 MT	Proved Reserve (111) 336739 MT Probable Reserve (122) 407984 MT Feasibility Mineral Resource (211) 485095 MT Pre-Feasibility Mineral Resource (222) 252600 MT	
1f	General remarks of inspecting officers on geology, exploration etc			

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NA	NA	No approved mining plan in 2018-19

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NA	NA	No approved mining plan in 2018-19
2c	Stripping ratio or ore to OB ratio	NA	NA	No approved mining plan in 2018-19
2d	Quantity of topsoil generation in m3	NA	NA	No approved mining plan in 2018-19
2e	Quantity of overburden generation in m3	NA	NA	No approved mining plan in 2018-19
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No approved mining plan in 2018-19

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	-	-	No approved mining plan in 2018-19
3b	Quantity of ROM mineral production proposed	-	-	No approved mining plan in 2018-19
3c	Recovery of sailable/usable mineral from ROM production	-	-	No approved mining plan in 2018-19
3d	Quantity of mineral reject generation	-	-	No approved mining plan in 2018-19
3e	Grade of mineral rejects generation and threshold value declared.	-	-	No approved mining plan in 2018-19
3f	Quantity of sub grade mineral generation.	-	-	No approved mining plan in 2018-19

3g	Grade of sub grade mineral generation	-	-	No approved mining plan in 2018-19
3h	Manual / Mechanised method adopted for segregating from ROM	-	-	No approved mining plan in 2018-19
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	-	-	No approved mining plan in 2018-19
3j	Provision of drilling and blasting in mineral benches	-	-	No approved mining plan in 2018-19
3k	Provision of mining machineries in mineral benches	-	-	No approved mining plan in 2018-19
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	-	-	No approved mining plan in 2018-19
3m	Total area covered under excavation/pits	-	-	No approved mining plan in 2018-19
3n	Ore to OB ratio for the pit/mine during the year.	NA	NA	No approved mining plan in 2018-19
3o	Total area put in use under different heads at the end of year	Mining: 7.58 ha. Roads: 0.2 ha. Infrastructure : 0.01 ha. OB/waste dump: 0.25 ha. NIL. Top soil preservation: 0.25 ha.	Mining: 5.65 ha. Roads: 0.2 ha. Infrastructure: 0.01 ha. OB/waste dump: NIL. Top soil preservation:	No approved mining plan in 2018-19

3p	Production of ROM mineral during the last five year period as applicable	2014-15 = 96300	2014-15 =96144.41 2015-16= 96174.92 2016-17= 85068.02 2017-18= 20227.45 2018-19= NIL 2018-19= NA
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3q	General remarks of inspecting officers on method of mining etc.	No approved document in the year 2018-19
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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)	NA	NA	No approved mining pln in the year 2018-19
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	No approved mining pln in the year 2018-19
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)	N2042-2100 E3669-3750	Within UPL	
4e	Number of active and alive dumps.	One active dump	One active dump	
4f	Number of dead dumps.	Not proposed	NIL	
4g	Number of dumps established.	One	One	
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA	No approved mining plan in the year 2018-19

4i	Length of Retaining wall or garland drain all along dumps	NA	NA
4j	Number of settling ponds	One	One
4k	Specific comments of inspecting officer on waste dump management		

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 of mineral from mined out area before starting backfilling	No approved document in the year 2018-19	
5b	Area under backfilling of mined out area			No approved document in the year 2018-19
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)			No approved document in the year 2018-19
5d	Total area fully reclaimed and rehabilitated			No approved document in the year 2018-19
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No approved document in the year 2018-19

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Annual PMCP report it will be submitted before 1st day of July every year	yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the year 2018-19	violation under rule 26(2) of MCDR 2017 has been pointed out
6b	Area available for rehabilitation (ha) .			No approved mining plan for the year 2018-19
6c	afforestation done (ha).			No approved mining plan for the year 2018-19
6d	No. of saplings planted during the year			No approved mining plan for the year 2018-19
6e	Cumulative no .of plants	NA	NA	No approved mining plan for the year 2018-19
6f	Any other method of rehabilitation	Not proposed	NA	
6g	Cost incurred on watch and care during the year	No proposal	Not done	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Not Done	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	NA	No approved mining plan for the year 2018-19
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Not done	No approved mining plan for the year 2018-19

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	No approved mining plan for the year 2018-19
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			No approved mining plan for the year 2018-19
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)			No approved mining plan for the year 2018-19
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation			No approved mining plan for the year 2018-19
6p	Compliance of environmental monitoring (core zone and buffer zone)			No approved mining plan for the year 2018-19
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted to this office for the year 2018-19. Violation pointed out.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not proposed	Not done	No approved mining plan for the year 2018-19
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			

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Nil	No approved mining plan for the year 2018-19
8b	Concurrent use or storage of topsoil			No approved mining plan for the year 2018-19
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)			No approved mining plan for the year 2018-19

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use			No approved mining plan for the year 2018-19
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)			No approved mining plan for the year 2018-19
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NA	NA	No approved mining plan for the year 2018-19
8g	Survival rate	NA	NA	
8h	Water sprinkling on roads to control airborne dust	NA	NA	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			No approved mining plan for the year 2018-19

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR of Apr-18 to Mar-19 to be submitted and AR of 2018-19 to be submitted.	MR of Apr-18 to Mar-19 have been submitted and AR of 2018-19 has been submitted on 24.06.2019	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of the Mining Engineer: Mr. Binay Kumar Choudhary Geologist: Mr. Narayan Prasad Shukla Manager: Mr. Binay Kumar Choudhary	Not appointed as per rule 55	violation of rule 55(1) has been pointed out.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern as per AR- Pit area: 5.65 ha. Use for waste disposal: NIL Infrastructure : 0.01 ha. road area: 0.2 ha. Top soil preservation: 0.25 ha.	As per AR	
9d	Scrutiny of Annual return on afforestation	Not done	Not done	No approved mining plan for the year 2018-19
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NA	NA	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not proposed	Not done	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NA	NA	No approved mining plan for the year 2018-19
9h	Scrutiny of Annual return on fixed assets	Fixed assets as per AR: Value of Fixed Assets (in ?) 5435148		

9k	Scrutiny of Annual return on mining machineries	Nil	Nil
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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 26(2)	16-DEC-19			
MCDR17	Rule 45(5) (k	16-DEC-19			
MCDR17	Rule 55(1) (3)	16-DEC-19			

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines