

**MCDR REPORT****General**

<b>S.N.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine	Bhatia Limestone Mines
	Date of Inspection:	21.10.2024
	Name of Inspecting Officer	Mr. Robert Simon C
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area (Ha) - 7.859 Forest land (Ha) – Nil Non-forest land (Ha) – 7.859
3	Mine code	38MPR35140
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/5097/2011
5	Name of the Lessee, Address, Phone, email and fax number	Name of the Lessee: M/s. KJS Cement (I) Limited Address: NH-7 Rewa Road, Rajnagar, Maihar-485771 Phone: 07672-239900 Email: <a href="mailto:mines@kjscement.com">mines@kjscement.com</a> Fax: 07672-239911
6	Village	Bhatiya
7	Taluka/Mandal	Maihar
8	District	Satna
9	Pin code	485771
10	State	Madhya pradesh
11	Post Office	Bhatiya via maihar
12	Nearest Police Station	Maihar
13	Nearest Railway Station	Maihar
14	Date of Grant of Mining Lease	13.10.75
15	Date of Execution	13.10.75
16	Date of opening of Mine	04.11.1975
17	Date of First Renewal, if applicable and its period & expiry	Dated 29.09.1998, from 04.11.1995 to 03.11.2015 for 20 years
18	Date of Second Renewal, if applicable and its period & expiry	Lease extended up to 03.11.2025
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Lease period extended up to 03.11.2025 as per Amended MMDRA Act, 2015
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Neeraj Kumar Verma Address: NH-7 Rewa Road, Rajnagar, Maihar-485771 Phone: 07672-239900 Email: <a href="mailto:mines@kjscement.com">mines@kjscement.com</a> Fax: 07672-239911 Date of Appointment: 07.12.2013
21	Name of the Mine Agent with Address, phone, email, fax number and date of	Name of the Agent : Shri V S Rathore Address: NH-7 Rewa Road, Rajnagar, Maihar-485771 Phone: 07672-239900

	appointment	Email: vs.rathore@kjscement.com Fax: 07672-239911 Date of Appointment: 01/11/2023
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Atindra Bhattacharyya Address: NH-7 Rewa Road, Rajnagar, Maihar-485771 Phone: 07672-239900 Email: <a href="mailto:a.bhattacharyya@kjscement.com">a.bhattacharyya@kjscement.com</a> Fax: 07672-239911 Date of Appointment: 01.12.2020
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Atindra Bhattacharyya, Diploma in Mining & Mine surveying. Address: NH-7 Rewa Road, Rajnagar, Maihar-485771 Phone: 07672-239900 Email: <a href="mailto:a.bhattacharyya@kjscement.com">a.bhattacharyya@kjscement.com</a> Fax: 07672-239911 Date of Appointment: 01.04.2021
24	Name of the Geologist, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Satpal Singh Raghuwanshi, M.Sc. (Geology), 16 years. Address: NH-7 Rewa Road, Rajnagar, Maihar-485771 Phone:7389945384 Email: satpal.singh@kjscement.com Date of Appointment: 01.08.2022
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Review of Mining Plan LETTER NO. MP/ SATNA/ LIMESTONE/ RMP - 53/ 2019-20 Date of approval: 31.07.2020, Period: 2020-21 to 2024-25
26	Mineral(s) granted in lease and approved for Mining	Limestone
27	Method of Mining (Opencast, Underground)	Opencast
28	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
29	Captive/Non-Captive	Non Captive

**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.	Nil	Nil	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Entire lease area under G1	-G1 - 7.859 Ha.	
1e	Balance reserves as on 01.04.2024	Proved Reserve (111) 557335 Probable Reserve (122) Nil Feasibility Mineral Resource (221) NIL Pre-Feasibility Mineral Resource	Proved Reserve (111) 557335 Probable Reserve (122) Nil Feasibility Mineral Resource (221)	

		(222) 516412.50 MT	NIL Pre-Feasibility Mineral Resource (222) 516412.50 MT	
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire lease area is considered under G1 level. Deposit is stratiform and tabular. Lease period is going to be expired in 03/11/2025.		

### Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N 2686625 - 2686700N E490125 - E490225	N 2686625 - 2686700N E490125 - E490225	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate 1 <sup>st</sup> bench Topsoil/OB 3.5 m and Mineral benches will be limestone 2.5 to 5 m. however no topsoil proposed in 23- 24	Separate 1 <sup>st</sup> bench Topsoil/OB 3.5 m and Mineral benches of limestone 2.5 to 5 m. no topsoil Generated in 23-24	
2c	Stripping ratio or ore to OB ratio (2023-24)	1:0.25	1:0.25	
2d	Quantity of topsoil generation in m <sup>3</sup> (2023-24)	Nil	Nil	
2e	Quantity of overburden generation in m <sup>3</sup> (2023-24)	2553	2485	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The generated waste is being utilised in the eastern portion of the lease as part of the PMCP and FMCP measures.		

**Exploitation**

S.N	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed in tones (2023-24)	25530 MT	24897.64 MT	
3c	Recovery of Salable/usable mineral from ROM production	100 %	100 %	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral reject generation and threshold value declared	No Mineral Rejects, 34% CaO	No Mineral Rejects, 34% CaO	
3f	Quantity of sub-grade mineral generation	NA	NA	
3g	Grade of sub-grade mineral generation	Not proposed	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	NIL	
3j	Provision of drilling & blasting in mineral benches	Drilling & blasting will be done as per parameter spacing: 3.0m Burden: 2.5m Depth of hole: 5 m Dia of hole: 110m Charge per hole: 3 kg. Powder factor: 6.0 MT/kg.	The same parameter has been followed as per proposal .Drilling & blasting will be done as per parameter spacing: 3.0m Burden: 2.5m Depth of hole: 5 m Dia of hole: 110m Charge per hole: 3 kg. Powder factor: 6.0 MT/kg.	
3k	Provision of mining machineries in mineral benches	Back Hoe Excavator 01 Nos. Dumpers 03 Nos. Drill DTH 01 Nos. Water Tanker with Sprinkler	Back Hoe Excavator 01 Nos. Dumpers 03 Nos. Drill DTH 01 Nos. Water Tanker with Sprinkler	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of benches in overburden and mineral proposed 2.5-5	Height of benches in overburden and mineral are 2.5-5 m for OB & 2.5-6 m for	

		m for OB & 2.5-6 m for mineral	mineral for mineral	
3m	Total area covered under excavation /pits	2.35 Hect	2.35 Hect	
3n	Ore to OB ratio for the pit/mine during the year	1:0.1	1:0.1	
3o	Total area put in use under different heads at the end of year	Mining: 2.35 ha. Roads & Infrastructure: 0.07 ha. OB/waste dump: 4.81 ha. Others – 0.27 ha	Mining: 2.35 ha. Roads & Infrastructure: 0.07 ha. OB/waste dump: 4.81 ha. Others – 0.27 ha	
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19	25350	Nil
		2019-20	25778	Nil
		2020-21	25900	22446.145
		2021-22	25260	24677.704
		2022-23	26136	24987.587
		2023-24	25530	24897.640
		2024-25	25800	10594.610 (Up to Sept 24)
3q	General remarks of inspecting officer on method of mining etc			

### Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	<b>No topsoil</b> generation proposed in 2023-24 <b>OB:</b> generated OB will be dumped at OB dump at Eastern part of the mine . <b>Mineral reject:</b> not generated	No topsoil generated <b>OB:</b> the OB and waste dumped in Eastern part of the mine <b>Mineral reject:</b> not generated	
4b	Location of topsoil, OB & mineral reject dumps	<b>No topsoil</b> generation proposed in 2023-24 <b>OB:</b> generated OB will be dumped at OB dump at Eastern part of the	No topsoil generated <b>OB:</b> the OB and waste dumped in Eastern part of the	

		mine . <b>Mineral reject:</b> not generated	mine <b>Mineral reject:</b> not generated	
4c	Number of Dumps within lease area and outside lease area	Two dump proposed within lease area	One Scattered dump within lease area and another small dump.	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	The OB and waste generated will be dumped at designated place	The OB and waste generated will be dumped at designated place	
4e	Number of Active & Alive dumps	One active dump	One active dump	
4f	Number of deed dumps	Not proposed	NIL	
4g	Number of dumps established	Not proposed	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there	Garland drain will be prepared all around the dumps and these drains will be diverted to nearest nallah.	Garland drain prepared.	
4i	Length of Retaining wall or garland drain all along dump	Proposed	200 M X 1M X 1 M	
4j	Number of settling ponds	one	one	
4k	Specific comments of inspecting officer on waste dump management	The excavated waste is being utilised in the eastern portion of the lease as part of the PMCP and FMCP measures.		

**Solid Waste Management-Backfilling**

<b>S.N.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
5a	Status on 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 mined out area (Rule 32)	Nil	Nil	

5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling, reclamation etc being done in line with approved PMCP/FMCP.		

**Progressive Mine Closer Plan**

S.N.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 23E (2). Details should be given in the format as given in Annexure-20	Annual PMCP report it will be submitted before 1 <sup>st</sup> day of July every year	Annual report of PMCP submitted	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Nil	Nil	
	ii) Afforestation done (ha)	0.015	0.035	
	iii) No. of saplings planted during the year	350	500	
	iv) Cumulative no. of plants	1000	985	
	v) Any other specific method of rehabilitation	Not proposed	NIL	
	vi) Cost incurred on watch & care during the year	Not proposed	NIL	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir	i)140 X 82 X 10 ii) NIL iii)Nil iv)NIL v)NIL	i)140 X 82 X 10 ii) NIL iii)Nil iv)NIL v)NIL	

	v) Any other specific means			
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	i) 0.050 ii) Nil iii) Plantation	i) 0.059 ii) Nil iii) Plantation	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Air, Water, Noise levels will be monitored on periodically	Compliance of Environment monitoring done and in-house monitoring system are working continue	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Afforestation being done in line with approved PMCP/FMCP.		

### Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral produced will be supplied to captive cement plant of the company.	Entire ROM has been fed to own cement plant	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	mechanical	mechanical	
7c	Different grade of mineral sort out at mine	The Limestone of the lease area is of cement grade.	Entire mineral used in cement making	
7d	Any beneficiation process at mines	Not proposed	Not done	
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 grade of the cement plant.		



**Environment**

<b>S.N.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
8a	Separate removal and utilization of topsoil (Rule32)	<b>No topsoil</b> generation proposed in 2023-24	<b>No topsoil</b> generated	
8b	Concurrent use or storage of topsoil	<b>No topsoil</b> generation proposed in 2023-24	No any stack of top soil.	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	One separate dump of OB/Waste	One separate dump of OB/Waste	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	NIL	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	The 0.097 ha. area proposed for plantation on Barrier Zone	0.075 ha. area used for plantation	500 saplings planted 2023-24.
8g	Survival rate	Not proposed	80%	
8h	Water sprinkling on roads to control airborne dust	Regular water sprinkling will be maintained to control airborne dust.	Regular water sprinkling at roads, haul roads maintain the SPM concentration within limit result no dust become airborne.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area needs improvement.		

**Compliance of Rule 45**

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	MR and AR of 2023-24 to be submitted.	MR and AR of 2023-24 has been submitted online.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Name of the Mine Manager : Shri Atindra Bhattacharyya Name of the Mining Engineer: Shri Atindra Bhattacharyya Name of the Geologist - Satpal Singh Raghuwanshi
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Mining: 2.35 ha. Roads & Infrastructure: 0.07 ha. OB/waste dump: 4.81 ha. Others – 0.27 ha
9d	Scrutiny of Annual return on afforestation	Given	Afforestation - As per MP and AR 500 saplings planted
9e	Scrutiny of Annual return on mineral	Given	Limestone Production 24897.640 T
	reject generation (Grade & Quantity)	Given	No any mineral reject generated during the year.
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Given	As per approved mining plan ROM was proposed 25530 T & actual production carried out 24897.640 T
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Given	sale value,- captive used Ex. Mine price –Rs. 316.64./tone production costs- Rs. 316.64/tone
9i	Scrutiny of Annual return on Fixed assets	Given	Fixed assets as per AR: Value of Fixed Assets (in ₹) 4529102
9k	Scrutiny of Annual return on mining Machineries	Given	Back Hoe Excavator 01 Nos. Dumpers 03 Nos. Drill DTH 01 Nos. Water Tanker with Sprinkler

Details of Validations observed during current inspection and compliance position of earlier violation pointed out:- No significant violations observation against the approved proposals.

Date:

Name:

Designation