

INSPECTION DATASHEET**General**

S.N.	Particulars	Details
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	Bhatia Limestone Mines 31.05.2023 Shri Pukhraj Nenival (RCOM)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest Land: NIL Non-forest land: 45.888 Ha.
3	Mine code	38MPR35142
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/5097/2011
5	Name of the Lease, 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: mines@kjscement.com Fax: 07672-239911
6	Village	Bhatia
7	Taluka/Mandal	Maihar
8	District	Satna
9	Pin code	485771
10	State	Madhya Pradesh
11	Post Office	Bhatia
12	Nearest Police Station	Nadan
13	Nearest Railway Station	Maihar
14	Date of Grant of Mining Lease	26.10.1991
15	Date of Execution	26.10.1991
16	Date of opening of Mine	31.03.2008
17	Date of First Renewal, if applicable and its period & expiry	Date 21.09.11, Period -26.10.11 to 25.10.31
18	Date of Second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Lease has been extended up to 25.10.2041 as per MMDRA Act, 2015
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Name of the Nominated Owner : Shri Neeraj Kumar Verma Address: NH-7 Rewa Road, Rajnagar, Maihar-485771 Phone: 07672-239900 Email: mines@kjscement.com Fax: 07672-239911 Date of Appointment: 07.12.2013
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Name of the Agent : Shri K P Nigam Address: NH-7 Rewa Road, Rajnagar, Maihar-485771 Phone: 07672-239900 Email: kp.nigam@kjscement.com

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		Fax: 07672-239911 Date of Appointment: 22.06.2019
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.bhattacharyya@kjscement.com 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 Bam Bam Kumar Choudhary, Address: NH-7 Rewa Road, Rajnagar, Maihar-485771 Phone: 07672-239900 Email: bkc@kjscement.com Fax: 07672-239911 Date of Appointment: 01.02.2021
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mr. Bam Bam Kumar Chaudhary appointed as Mining Engineer & Narayan Shukla as a Geologist
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Mining Plan Date of approval- 12.08.2011 Letter No. – 314(3)/2011-MCCM(C) / MP-4/1113
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	Modification of Mining Plan Date of approval: 25.08.2021, Letter No.- MP/Satna/Limestone/MPLN/MOD-13/2021-22/5852 Period: 2021-22 to 2025-26
27	Mineral(s) granted in lease and approved for Mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/Non-Captive	Captive

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	18 BH	18 BH	complete
1b	Exploration over lease area for Geological axis 1 or 2.	Geological axis 1	Geological axis 1	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	The lessee company itself	The lessee company itself under the supervision Geologist	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Entire lease area will be under G1 after completion of Exploration	18 Bore hole complete as per proposal.	
1e	Balance reserves as on 01.04.2023	7443185 T	7443238 T	
1f	General remarks of Inspecting officer on	Limestone deposit of the area belongs to Bhandar		

geology, exploration etc.	Group of Vindhyan Super Group. Deposit is stratified strataboun tabular deposit of regular habit.
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Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	2686008 N - 2686200 N and 489792.7 E - 490056 E	2686008 N - 2686200 N and 489792.7 E - 490056 E	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate Bench for Top soil/OB 3.5 m and The 2 nd , 3 rd & 4 th benches will be in limestone 5 - 6 m	Separate Bench for Top soil/OB 3.5 m and 2 nd , 3 rd & 4 th benches of limestone 5- 6 m	
2c	Stripping ratio or ore to OB ratio	1.094	1.094	
2d	Quantity of topsoil generation in m ³	In Year 22-23 Proposed topsoil generation was 1838 CuM	In Year 22-23 topsoil generated 1724 CuM	
2e	Quantity of overburden generation in m ³	In Year 22-23 Proposed overburden generation was 38298 CuM	In Year 22-23 Proposed overburden generated was 37108 CuM	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development & Production is carried out from the places other than proposed location during 2022-23.		

Exploitation

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed (2015-16)	499950 Tonnes	499903.786 Tonnes	
3c	Recovery of Salable/usable mineral from ROM production	499950 Tonnes	499903.786 Tonnes	
3d	Quantity of mineral reject generation	No Mineral rejects found.	No Mineral rejects found.	
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	No Mineral sub grades	No Mineral sub grades	
3g	Grade of sub-grade mineral generation	No Mineral sub grades	No Mineral sub grades	
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:	As per proposal	

		4.0m Burden: 3 m Depth of hole: 6 m Dia of hole: 100 mm Charge per hole: 25 to 35 kg		
3k	Provision of mining machineries in mineral benches	Crawler mounted 01 nos. Loading Machine: L&T PC-200-Hyd. Excavator 03 nos. Transportation: Dumpers 12 nos. 25 t. 2 dewatering pump, water tanker	Crawler mounted 01 nos. Loading Machine: L&T PC-200-Hyd. Excavator 03 nos. Transportation: Dumpers 12 nos. 25 t. 2 dewatering pump, water tanker	
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 3.5 m for OB & 5M to 6 m for mineral	Height of benches in overburden and mineral proposed 3.5m for OB & 5M to 6 m for mineral	
3m	Total area covered under excavation /pits	19000 SqM	19000 SqM	
3n	Ore to OB ratio for the pit/mine during the year	1.020	1.020	
3o	Total area put in use under different heads at the end of year	Mining: 16.2 ha. Reclaimed /Rehabitated: 0.817 Roads: 0.110 ha. OB/waste dump: 6.0 ha. Others 1.50	Mining: 15.783ha. Reclaimed /Rehabitated: 1.05 Roads: 0.110 ha. OB/waste dump: 5.60 ha. Others 1.50	
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19	500690	499639.360
		2019-20	500110	498411.590
		2020-21	500008	496665.496
		2021-22	495000	494992.560
		2022-23	499950	499903.786
3q	General remarks of inspecting officer on method of mining etc	Drilling & Blasting practice adopted as method of mining with HEMM		

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB &	The top soil will be	The top soil used	

	mineral reject (Rule 32,33)	used simultaneously for Plantation and Bund. OB: the OB and waste generated will be dumped at North-western part of the mine Mineral reject: not generated	simultaneously for Plantation and bund. OB: the generated OB and waste dumped at North-western part of the mine Mineral reject: not generated	
4b	Location of topsoil, OB & mineral reject dumps	Location of OB/waste dumps 1. 2686600 N, 489700 E 2. 2686300 N, 489720 E 3. 2686220 N, 489640 E Mineral reject: not generated	Location of OB/waste dumps 1. 2686600 N, 489700 E 2. 2686410 N, 489630 E 3. 2686220 N, 489640 E Mineral reject: not generated	
4c	Number of Dumps within lease area and outside lease area	03	03	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Location of OB/waste dumps 1. 2686600 N, 489700 E 2. 2686300 N, 489720 E 3. 2686220 N, 489640 E	Location of OB/waste dumps 1. 2686600 N, 489700 E 2. 2686410 N, 489630 E 3. 2686220 N, 489640 E	The top soil quantity generated used for plantation
4e	Number of Active & Alive dumps	02	02	
4f	Number of deed dumps			
4g	Number of dumps established	01	01	
4h	Whether Retaining wall or garland drain all along dumps are there	YES	Yes	
4i	Length of Retaining wall or garland drain all along dump	Garland drain will be prepared around the dumps	Garland drain 325 M	
4j	Number of settling ponds	01	01	
4k	Specific comments of inspecting officer on waste dump management	The dumps are mostly active.		

Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	1.054 ha	1.054 ha	Cumulative
5b	Area under backfilling of mined out area	Nil	Total 1.054 Hect. 0.817 (Old)	

			Backfilling) 0.233 hect. (Current year)	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	1838 m ³	1724 m ³	Used for plantation
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No backfilling proposal as pit is Working.		

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	Submitted	Submitted	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Not proposed	NIL	
	ii) Afforestation done (ha)	Not proposed	NIL	
	iii) No.of saplings planted during the year	Not proposed	NIL	
	iv) Cumulative no. of plants	Not proposed	NIL	
	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)	i) NIL.	i) 0.233 ha.	
	ii) Void filled by waste/tailings	ii) NIL.	ii) 0.233 ha.	
	iii) Afforestation on the backfilling	iii) NIL	iii) Nil	
	iv) Rehabilitation by making water reservoir	iv) NIL	iv) Nil	
	v) Any other specific means	v) NIL	v) Nil	

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	i) 0.25 he. ii) NIL iii) NIL	i) 0.25 he. ii) NIL iii) NIL	500 Saplings
6e	Compliance of Environment monitoring (core zone & buffer zone)	Air, Water, Noise levels will monitored on periodically	Compliance of Environment monitoring done and in-house monitoring system are continuously working	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Environment monitoring is done. Plantation is done on non-mineralised Area in Mines. Some plantation is done outside lease.		

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 at village Amilia.	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	The ROM limestone will be sized in the crusher installed near plant at Amilia Village.	Vibrating screening used when excess soil is mixed to lower SiO ₂ in crusher located outside mines	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM mineral produced will be supplied to captive cement plant of the company		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	The top soil will be used simultaneously for Plantation and Bund.	The top soil used simultaneously for Plantation and bund.	
8b	Concurrent use or storage of topsoil	The top soil will be used simultaneously for Plantation and Bund.	The top soil used simultaneously for Plantation and bund.	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Three separate dumps of OB/Waste	Three separate dumps of OB/Waste	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	0.233 Hect.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	The 0.25 ha. area was proposed for plantation in the lease boundary	In the year 2022-23 , 500 saplings planted in the mining lease area	
8g	Survival rate	80%	70%	
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 maintains the SPM concentration within limit result so that no dust becomes airborne.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Plants are seen in office Area & Nonmineralised Area.		

Compliance of Rule 45

S.N.	Item	Comments	Remarks
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9a	Status of submission of monthly and Annual returns	MR of May-23 and AR of 2022-23 has been submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of the Mining Engineer: Bam Bam Kumar Choudhary Geologist: Narayan Shukla Manager: Shri Atindra Bhattacharyya	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use as per Annual return 2022-23 Currant working: 16.074 ha. Reclaimed: 1.050 ha. Roads and Infra. : 0.110 ha. OB/waste dump: 5.80 ha. Others: 1.50 ha. Work done under PMCP: 0.5 Hact	
9d	Scrutiny of Annual return on Afforestation	Afforestation as per MP and AR 100 saplings planted in the lease area.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No any mineral reject generated during the year.	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	As per AR 2022-23, approved mining plan ROM was proposed 499950 T & actual production carried out 499903 t	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Sale value,- captive used Ex. Mine price –Rs. 316.64/tonne production costs- Rs. 316.64/tonne	
9i	Scrutiny of Annual return on Fixed assets	Fixed assets as per AR: Value of Fixed Assets (in ₹) 42054043	
9k	Scrutiny of Annual return on mining Machineries	As per AR 2022-23 BACK HOE 0.900 CUM 2 nos. BACK HOE 1.100 CUM 1 nos DUMPER 16 TONNE 10 nos. WATER TANKER 5000 LITRE 1 nos. Rock Drill 01nos. WATER TANKER (5KL) 1 nos.	

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Details of Validations observed during current inspection and compliance position of earlier violation pointed out:- Details is given below:

- 1. Rule – 11(1) – (i) Development & Production is carried out from the places other than proposed location during 2022-23.**
- 2. Rule 63(1) - During the inspection it was observed that preservation of cores was not done properly.**
- 3. Rule 67 - Original Mining Lease deeds viz. initial, transfer of supplementary were not made available during inspection despite it was already intimated to keep these documents**

Date:

Name: Shri Pukhraj Nenival

Designation: Regional Controller of mines