

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/SATNA/LST-336

**Mine code :** 38MPR35311

- (i) Name of the Inspecting : **KQ06** ) **NARESH KUMAR KATARIYA**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh. S S Ray (Mine Manager), Sh S K Uapadhya (Geologist)  
Official with  
Designation
- (iv) Date of Inspection : 19-SEP-19
- (v) Prev.inspection date : 16-FEB-19

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PRISM CEMENT (99.416 HA.)**
- (b) **Registration NO.** : **IBM/267/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : SATNA  
Village : MANKAHARI  
Taluka : RAMPUR BAGHELAN  
Post office : BATHIA  
Pin Code : 485111  
FAX No. : 076721-275303  
E-mail : shashi.ray@prismjohnson.in  
Phone : 076721-275301 & 302, 27562
- (f) Police Station : KOLGAWAN
- (g) First opening date : 11-FEB-11
- (h) Weekly day of rest : SUN
2. Address for : PRISM CEMENT LTD.  
correspondance : P.O. MANKHARI, VILL. BHATIA ,  
SANTA (M.P.) 485111
3. (a) Lease Number : MPR2189
- (b) Lease area : 99.42
- (c) Period of lease :
- (d) Date of Expiry : 24-MAR-25
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : PRISM CEMENT LTD.  
RAJDEEP, REWA ROAD, SATNA  
MADHYA PRADESH  
Phone:(O) 07675 - 504403  
FAX : (O) 07675 - 227514 (W) 275303

Owner : PRISM CEMENT LIMITED  
PRISM CEMENT LTD. SATNA  
MADHYA PRADESH  
Phone: N. A.  
FAX : N. A.

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 30-SEP-13  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not proposed	Not proposed in current financial year	
1b	Exploration over lease area for geological axis 1 or 2	G-1	G-1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	111 6.199 Million Tones 221 8.406 Million Tones	111 6.199 Million Tones 221 8.406 Million Tones	
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	Not proposed.	No development has done.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	1 m in Soil and 2 m in waste rock	1 m in Soil and 2 m in waste rock	
2c	Stripping ratio or ore to OB ratio	NA	NA	

2d	Quantity of topsoil generation in m3	Nil	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development proposed in alternate years. No proposal of development in the year 2018-19.

### Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	01 (one)	01 (one)	
3b	Quantity of ROM mineral production proposed	75000 te	74810 te	
3c	Recovery of sailable/usable mineral from ROM production	Complete ROM usable in captive plant.	Complete ROM usable in captive plant.	
3d	Quantity of mineral reject generation	No mineral reject proposed	No mineral reject as per records.	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	NA	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	No any study done.	
3j	Provision of drilling and blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	Yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	2.628 Ha	2.628 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	NA	NA	
3o	Total area put in use under different heads at the end of year	18.106 Ha	11.225 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2014-15 75000 2015-16 75000 2016-17 75000 2017-18 75000 2018-19 75000	2014-15 0 2015-16 0 2016-17 71665 2017-18 74979 2018-19 74810	
3q	General remarks of inspecting officers on method of mining etc.			

No development proposed and carried out in the RY 2018-19

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**Solid Waste Management - Dumping:**

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Sl.No.	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Development not proposed in the RY 2018-19	NA	
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside of lease area	No dumps proposed	No dumps found during inspection.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	Not proposed	No settling ponds prepared in the 2018-19	
4k	Specific comments of inspecting officer on waste dump management			Soil and waste not generated in the year 2018-19 as per provided records.

#### Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Full extraction	Full extraction	
5b	Area under backfilling of mined out area	0.05 Ha	0.05 Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes	Yes	
5d	Total area fully reclaimed and rehabilitated	1.33 Ha	1.33 Ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling is being done after full extraction of the mineral.

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	PMCP report to be submitted within stipulated time.	PMCP report not submitted.	Violation pointed out for the same.
6b	Area available for rehabilitation (ha) .	01 ha	01 ha	
6c	afforestation done (ha) .	0.5 Ha	0.5 Ha	
6d	No. of saplings planted during the year	1000 Nos.	1000 Nos (approx.)	
6e	Cumulative no .of plants	7885 Nos.	7885 Nos. (approx.)	

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6f	Any other method of rehabilitation	Plantation of local species	plantation is being done as per proposal.
6g	Cost incurred on watch and care during the year	147700	147700
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	100x100x12 m3	100x50x10 m3
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	1.33 Ha	1.33 Ha
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	NA
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	Not proposed	0.5 Ha



6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed	NA	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed	Not done	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PMCP compliace and progressive closure operations to be done as per approved document.	Yearly report of PMCP in respect of rule 26(2) of MCDR 2017 has not been submitted for the year 2018-19. Data collected from mine site during inspection.	Violaton pointed out for the same.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral to be dispatch directly to captive plant	as per proposal	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	NA	
7c	Different grade of mineral sorted out at mines.	Not proposed	Not done	
7d	Any beneficiation process at mines	Not proposed	Not done	

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7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Total ROM is dispatched to captive plant as per provided records.
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**Environment:**


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Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil removal proposed for year 2018-19	No top soil removed as per provided records.	
8b	Concurrent use or storage of topsoil	Not proposed	Not done	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	not done	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Not done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Yes	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	Yes	

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8g	Survival rate	Proposed 80%	As per proposal (As per provided records)	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			General cleaningness in and around the mine area found satisfactory.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns from Apr-18 to Mar-19 and Annual return of year 2018-19 are to be submitted within prescribed time as per rule.	Returns submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mine Manager Shashi Shekhar Ray Mining Engineer Rajkumar Mishra Mine Geologist Gyan Prakash Pandey	Details provided as per appointment sent to IBM office.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes	found in order as per provided records	
9d	Scrutiny of Annual return on afforestation	Yes	details found in order as per provided records.	

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject generation	details found in order as per provided records.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No ROM stock. directly dispatch to captive plant	details found in order as per provided records.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Details of Sale value, Ex Mine Price and production Cost provided in AR	details found in order as per provided records.
9h	Scrutiny of Annual return on fixed assets	Details provided in AR	details found in order as per provided records.
9k	Scrutiny of Annual return on mining machineries	Details of Mining Machinery provided.	details found in order as per provided records.

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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 11(1)	18-OCT-19			
MCDR17	Rule 33	18-OCT-19			
MCDR17	Rule 26(2)	18-OCT-19			

**Date :**

**(NARESH KUMAR KATARIYA)**

Indian Bureau of Mines