

**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 : **C004** ) **ROBERT SIMON C**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 18-FEB-21
- (v) Prev.inspection date : 19-SEP-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	Nil	NA	
1b	Exploration over lease area for geological axis 1 or 2	Nil	Already explored in G1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	111-6.123 Million Tonnes	111-6.123 Million Tonnes	
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	N 180 to N 040 & E 2860 to 2980 E	N 180 to N 040 & E 2860 to 2980 E	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	One soil Bench of 1 m ht and 2 m in waste rock	One soil Bench of 0.5- 1.5 m ht and 1.5 - 2.5 m in waste rock	
2c	Stripping ratio or ore to OB ratio	1:0.06 T/M3	1:0.05 T/M3	
2d	Quantity of topsoil generation in m3	4418 M3	3954 M3	

2e	Quantity of overburden generation in m3	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	75000 MT	74766 MT	
3c	Recovery of sailable/usable mineral from ROM production	Complete ROM used in captive plant.	Complete ROM used in captive plant.	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	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	ROM Sent to plant directly	ROM Sent to plant directly	

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Nil	
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	proposed	found suitable for mining	
3m	Total area covered under excavation/pits	3.511 Ha	2.880 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.06 T/M3	1:0.05 T/M3	
3o	Total area put in use under different heads at the end of year	14.98 Ha	14.105 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2015-16 75000 2016-17 75000 2017-18 75000 2018-19 75000 2019-20 75000	2015-16 0 2016-17 71665 2017-18 74979 2018-19 74810 2019-20 74766	
3q	General remarks of inspecting officers on method of mining etc.			the mining method, bench configuration found to be in line with approved mining plan

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	not proposed	top soil used around the pit for plantation purposes
4b	Location of topsoil, OB and mineral reject dumps	top soil used around the pit for plantation purposes	top soil used around the pit for plantation purposes
4c	Number of dumps within lease area and outside of lease area	Nil	Nil
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	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management		

#### 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 before backfilling proposed	Full extraction before backfilling adopted
5b	Area under backfilling of mined out area	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	To be used in plantation	used in plantation
5d	Total area fully reclaimed and rehabilitated	1.000 HA	1.000 HA
5e	General remarks of inspecting officers on backfilling and reclamation etc.		

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Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Submitted	
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	Nil	2000 Nos	
6e	Cumulative no .of plants	9500 Nos.	9200 Nos. (approx.)	

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6f	Any other method of rehabilitation	nil	nil	
6g	Cost incurred on watch and care during the year	Nil	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D	nil	nil	Area not matured for reclamation and rehabilitation by backfilling
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	nil	nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	nil	nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	nil	nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	not proposed	nil	

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	As per proposal
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

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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 to be dispatched directly to captive plant	ROM mineral dispatched directly to captive plant	
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	Not proposed	Nil	

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7e General remarks  
of inspecting  
officer on  
Mineral  
conservation and  
beneficiation  
issues

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Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed	As per proposal	
8b	Concurrent use or storage of topsoil	To be Stored & used for plantation	Stored & used for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	Nil	
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)	yes	as per proposal	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline information available	2000 Plantation done in 2019-20	

8g	Survival rate	70%	70%
8h	Water sprinkling on roads to control airborne dust	yes	carried out as per proposal
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		

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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	yes	AR submitted till 2019-20 MR submitted till March 2021	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	given	Manager Mr. Shashi Shekhar Ray Mining Engineer Mr. Rajkumar Mishra Geologist Mr. Gyan Prakash Pandey	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	given	Covered under current (O/C) Workings -2.880 Ha Used for waste disposal 0.890 Ha	
9d	Scrutiny of Annual return on afforestation	yes	(i) Number of trees planted during the year 2000 (ii) Survival rate in percentage 70%	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	NIL	

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9f	Scrutiny of Annual return on ROM stock and/or graded ore	yes	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	yes	Ex-Mine-233.48 (cement grade)
9h	Scrutiny of Annual return on fixed assets	yes	Value of Fixed Assets (in ?) 96194710
9k	Scrutiny of Annual return on mining machineries	yes	BACK HOE 2.500 CUM 1Nos Non Electrical DUMPER 25.000 TONNE 5Nos Non Electrical ROCK DRILL (NONELEC.) 110.000 MM 1Nos Non Electrical

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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)	05-APR-21			
MCDR17	Rule 28(1)	05-APR-21			

**Date :**

**(ROBERT SIMON C)**

Indian Bureau of Mines