

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/SATNA/LST-337

Mine code : 38MPR35314

- (i) Name of the Inspecting Officer and ID No. : **KQ06) NARESH KUMAR KATARIYA**
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine Official with Designation : Sh C S Pandit, Jt. GM (Mines), Sh Kousik Das (Mine Manag)
- (iv) Date of Inspection : 06-NOV-19
- (v) Prev. inspection date : 17-FEB-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PRISM CEMENT, MENDHI 117.**
- (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 : BAHGAI
Taluka : RAMPUR BAGHALAN
Post office : SIJAHATA
Pin Code :
FAX No. : 07672-275303
E-mail : minesoffice@prismcement.cor
Phone : 07672-275301-2
- (f) Police Station : Rampur Baghelan
- (g) First opening date : 12-DEC-11
- (h) Weekly day of rest : SUN
2. Address for correspondance : PRISM CEMENT LIMITED
RAJDEEP , REWA ROAD,
SATNA-485001
3. (a) Lease Number : MPR2185
(b) Lease area : 117.59
(c) Period of lease : 30
(d) Date of Expiry : 31-JUL-37
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	:	Modif.of approved Mining Plan	07-NOV-14
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	04-NOV-16
	:	MP modif under 17(3) MCR 2016	16-OCT-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	Area to be explored in G1	Area explored in G1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Exploration Agency : Prism Johnsohn Ltd Expenditure : 5 Lakhs	Exploration Agency : Prism Johnsohn Ltd Expenditure : 5 Lakhs	
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 6.576 121 0 122 0 211 0 221 3.114	111 6.576 121 0 122 0 211 0 221 3.114	
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	pit no. 03 (Three). Grid coordinates N 474 to N 900 and E 1094 to E 1673.	Observed during inspection that development has not been done during the year 2018-19 as per proposal.	Violation pointed out.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	

2c	Stripping ratio or ore to OB ratio	1:0.3	Nil (No production reported in 2018-19)	
2d	Quantity of topsoil generation in m3	483175 m3 .	800 m3	Violation pointed out.
2e	Quantity of overburden generation in m3	Nil	7,192 m3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The mine development was lagging behind the proposal and not as per approved document.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01(one)	01(one)	
3b	Quantity of ROM mineral production proposed	1,900,000	Nil	
3c	Recovery of sailable/usable mineral from ROM production	NA	NA	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No	No
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	41.16 Ha	10.1 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.3	Nil
3o	Total area put in use under different heads at the end of year	62.76 Ha	12.54 Ha
3p	Production of ROM mineral during the last five year period as applicable	2016-17 1,900,000 te 2017-18 1,900,000 te 2018-19 1,900,000 te	2016-17 3,113 te 2017-18 30,643 te 2018-19 Nil

3q General remarks
of inspecting
officers on
method of mining
etc.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)			
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside of lease area	NA	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active and alive dumps.	NA	NA	
4f	Number of dead dumps.	NA	NA	
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	NA	NA	
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.	NA	NA	
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed and rehabilitated	1.8 Ha	1.8 Ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			

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).	NA	NA	
6b	Area available for rehabilitation (ha) .	NA	NA	
6c	afforestation done (ha) .	NA	NA	Area not Matured for reclamation and rehabilitation
6d	No. of saplings planted during the year	NA	NA	
6e	Cumulative no .of plants	3000 nos	16000 nos	

6f	Any other method of rehabilitation	NA	NA	Area not Matured for reclamation and rehabilitation
6g	Cost incurred on watch and care during the year	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	NA	NA	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NA	NA	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	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	NA	NA	Area not Matured for reclamation and rehabilitation

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	Area not Matured for reclamation and rehabilitation
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)	NA	NA	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Area not Matured for reclamation and rehabilitation

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	NA	
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
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	MR april 18 to march 19 & AR 2018-19 submitted	As per AR	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Shri Kousik Das, Mines Manager/Mining Engineer, Gyan Prakash Pandey, Mine Geologist	As per AR	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Excavation/pit s 41.16 Ha 10.1 Top soil storage 19.16 0 Waste/Ob/IB dumps 0 0 Mineral rejects 0 0 Sub grade mineral stacks 0 0 Mineral stacks 0 0 Plants, buildings, Infrastructure etc. 0.44 0.44 Others (Specify)- Green Belt 2 2 Total area put in use under different heads at the end of year For which FA given 62.76 12.54	As per AR
9d	Scrutiny of Annual return on afforestation	Yes	Found in order
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NA	NA
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NA	NA

9h	Scrutiny of Annual return on fixed assets	NA	
9k	Scrutiny of Annual return on mining machineries	Yes	Found in order

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)	14-NOV-19			
MCDR17	Rule 26(2)	14-NOV-19			
MCDR17	Rule 11(1)	14-NOV-19			
MCDR17	Rule 46(a)	14-NOV-19			

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines