

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/SATNA/LST.-379

Mine code : 38MPR35352

- (i) Name of the Inspecting : **K006**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : S/Sh Vikrant Saraf (Mining Engineer), Sandeep Pandey
Official with
Designation
- (iv) Date of Inspection : 19-DEC-19
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PAGARA JHIRIYA**
- (b) **Registration NO.** : **IBM/929/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : SATNA
Village :
Taluka :
Post office :
Pin Code :
FAX No. : 91-11-23465100
E-mail : v.karthikeyan@dalmiacement
Phone : 91-11-23465100, 2331303
- (f) Police Station : Tala
- (g) First opening date : 06-NOV-15
- (h) Weekly day of rest : SUN
2. Address for : Dalmia Cement (Bharat) Ltd.
correspondance : 11th & 12th floors, Hansalaya Building,
15 Barakhamba Road, New Delhi-110001
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked :

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	15 Boreholes	NIL	Violation pointed out for the same.
1b	Exploration over lease area for geological axis 1 or 2	15 Boreholes for exploration in G1.	Nil	Violation pointed out for the same.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	187.57 Ha area under G1	Nil	Violation pointed out for the same.
1e	Balance reserve as on 01/04/20		36.46 million tons	
1f	General remarks of inspecting officers on geology, exploration etc		395.965 ha lease area has been explored under G2. As per the terms and condition of approved Modified Mining Plan, mining activities shall be carried out in 187.57 Ha area. Balance 208.395 Ha is not recommended for mining by EAC.	187.57 Ha area has not been explored under G1 as per proposal. Violation pointed out for the same.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area			
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top Soil:- 1 bench Limestone :- 2 benches	Nil	Violation pointed out for the same.
2c	Stripping ratio or ore to OB ratio	1:0.30	Nil	No development work has done in the year 2018-19. Violation pointed out for the same.

2d	Quantity of topsoil generation in m3	150929 m3	Nil	Violation pointed out for the same.
2e	Quantity of overburden generation in m3	172409 m3	Nil	Violation pointed out for the same.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mining operation not started . Violation pointed out for the same.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE	NIL	Violation pointed out for the same.
3b	Quantity of ROM mineral production proposed	1156250 Te	Nil	
3c	Recovery of sailable/usable mineral from ROM production	Not proposed	NA	
3d	Quantity of mineral reject generation	Not proposed	NA	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	NA	
3f	Quantity of sub grade mineral generation.	Not proposed	NA	
3g	Grade of sub grade mineral generation	Not proposed	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	NA	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	NA	
3j	Provision of drilling and blasting in mineral benches	YES	NIL	
3k	Provision of mining machineries in mineral benches	YES	NIL	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	NIL	
3m	Total area covered under excavation/pits	16.70 ha	NIL	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.30	NA	MINING ACTIVITIES NOT STARTED.
3o	Total area put in use under different heads at the end of year	33.09 HA	NIL	MINING ACTIVITIES NOT STARTED.
3p	Production of ROM mineral during the last five year period as applicable	NIL	NIL	Mining activities not started.
3q	General remarks of inspecting officers on method of mining etc.			

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	NIL	Mining activities not started.
4b	Location of topsoil, OB and mineral reject dumps	Top Soil Stack:- E519400- E519700 & N2704200- N2704600 OB/Waste Dump:- E519000- E519600, N2704000- N2704400	NA	No top soil, OB or waste generated.
4c	Number of dumps within lease area and outside of lease area	Two	Nil	Mining activities not started.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside the UPL	NA	
4e	Number of active and alive dumps.	Two	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.	Yes	No	
4i	Length of Retaining wall or garland drain all along dumps	Around OB/Waste dump :- 940m Retaining Wall & 965m. garland Drain Around Top Soil Stack - 860m. Retaining Wall & 885m. garland Drain	Nil	Mining activities not started.

4j	Number of settling ponds	Three	Nil	
4k	Specific comments of inspecting officer on waste dump management			Mining activities not started. Hence, No waste dump generated.

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.	Nil	Nil	
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)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mining activities not started.

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).	Yes	Not submitted	Violation pointed out for the same.

6b	Area available for rehabilitation (ha) .	Nil	Nil
6c	afforestation done (ha).	Nil	Nil
6d	No. of saplings planted during the year	Nil	Nil
6e	Cumulative no .of plants	Nil	Nil
6f	Any other method of rehabilitation	Not proposed	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 (Lx B x D	Nil	Nil
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	Nil	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	Nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the year 2018-19. Violation pointed out for the same.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch.	Nil	

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	NA	NA

Environment :

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	NIL	
8b	Concurrent use or storage of topsoil	157568 Cum	Nil	Storage of Top soil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Nil	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation in the lease area	Plantation in the lease area.	
8g	Survival rate	Not proposed	NA	
8h	Water sprinkling on roads to control airborne dust	Yes	NA	Mining activities not started. So, no roads.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Mining activities not started. So, it's green field naturally.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR and AR not submitted for the RY 2018-19	MR and AR not submitted for the RY 2018-19	Violation pointed out for the same.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	AR not submitted	AR not submitted	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR not submitted	AR not submitted	

9d	Scrutiny of Annual return on afforestation	AR not submitted	AR not submitted
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	AR not submitted	AR not submitted
9f	Scrutiny of Annual return on ROM stock and/or graded ore	AR not submitted	AR not submitted
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	AR not submitted	AR not submitted
9h	Scrutiny of Annual return on fixed assets	AR not submitted	AR not submitted
9k	Scrutiny of Annual return on mining machineries	AR not submitted	AR not submitted

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)	09-JAN-20	MCDR17	Rule 11 (1)	09-JAN-20
MCDR17	Rule 20	09-JAN-20	MCDR17	Rule 20	09-JAN-20
MCDR17	Rule 26 (2)	09-JAN-20	MCDR17	Rule 26 (2)	09-JAN-20
MCDR17	Rule 28 (1)	09-JAN-20	MCDR17	Rule 28 (1)	09-JAN-20
MCDR17	Rule 33	09-JAN-20	MCDR17	Rule 33	09-JAN-20
MCDR17	Rule 45 (5) (k)	09-JAN-20	MCDR17	Rule 45 (5) (k)	09-JAN-20
MCDR17	Rule 55 (1) (1)	09-JAN-20	MCDR17	Rule 55 (1) (1)	09-JAN-20

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines