

Mining Plan Modification REPORT

Nagpur regional office

Mine file No : MP/MND/LST-2/NGP

Mine code : 38MPR23002

- (i) Name of the Inspecting : **S033**) **MADHAVRAO SABRE**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri Subhash Nigam (Agent), Shri Mukesh Thawait Mining
Official with :
Designation : Engineer, Shri Vipin kumar Gautam Geologist
- (iv) Date of Inspection : 17-AUG-23
- (v) Prev.inspection date : 11-Oct-2022

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **VIKRAM CEMENT**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : NIMACH
Village : KHOR, KHEDARATHOR ETC
Taluka : JAWAD
Post office : KHOR
Pin Code : 458470
FAX No. : (0712) 533041
E-mail : vcmail@adityabirla.com; subhash.nigam@adityabirla.com;
Phone : 07420 - 230109
- (f) Police Station : KHOR
- (g) First opening date : 10-MAY-84
- (h) Weekly day of rest : MON
2. Address for : M/S GRASIM INDUSTRIES LTD.,
correspondance : VIKRAM CEMENT, VIKRAM NAGAR,
P.O. KHAR 458 470, DISTT. NEEMUCH (M.P)
3. (a) Lease Number : MPR0304
(b) Lease area : 442.92
(c) Period of lease : 50
(d) Date of Expiry : 10-NOV-32
4. Mineral worked : LIMESTONE Main

I/17429/2023

5. Name and Address of the

Lessee : M/S VIKRAM CEMENT Mines Department,
Vikram Cement Works, Post: Khor,
Tehsil: Jawad, Dist: Neemuch, 458 470

Owner : Shri Kailash Chandra Jhanwar,
Managing Director
UltraTech Cement Ltd., B-Wing, II Floor,
Mahakali Caves Road, Andheri (East), Mumbai - 400 093

Agent : S.C.Nigam
VIKRAM CEMENT LIMESTONE
MINES P.O-KHOR NIMACH.
NIMACH MADHYA PRADESH
Phone: 96699 54545

Mining Engineer

Name : Mukesh Thwait Full
Qualification : TimeB.TECH (MININIG)
Appointment/ : 03-11-2020
Termination date

Geologist

Name : SHRI Vipin Kumar Gautam
Qualification : ,Full TimeM.SC GEOLOGY
Appointment/ : 20-06-2022
Termination date

Manager

Name :
Qualification : Mukesh Thawait , Mining
Appointment/ : engineer 03-11-2020
Termination date

6. Date of approval of Mining	:	Modif.approved Mining Scheme	06-OCT-00
Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	21-OCT-02
	:	Modif.of approved Mining Plan	07-NOV-03
	:	Mining Scheme rule 12 MCDR1988	05-SEP-08
	:	Modif.approved Mining Scheme	22-MAR-12
	:	Mining Scheme rule 12 MCDR1988	16-APR-15

I/17429/2023

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	22 Nos Core Bore Hole Drilled in 2022-23 as per Proposal of aproved Review of Mine Plan 2023-28	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Yes	"B K Associates ""Om Badrinath"" Street No -2, Ramdham Sociaty, Near Karnataka Bank, Rajkot - 360005" Rs 2934630/-	-
1d	Balance area to be explored to bring Geological axis in 1 or 2		"G1 - 340. Ha G2 - 0.0 Ha G3-0.0 Ha Non Mineral - 102.503 ha "	-
1e	Balance reserve as on 01/04/20	-	111 : 3.03 MT 121: 4.10 MT	-

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	01 (SK 2)	01 (SK 2)	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in topsoil, overburden and mineral proposed	Separate benches in topsoil, overburden and mineral maintained.	-
2c	Stripping ratio or ore to OB ratio	1:0.56	Nil	-
2d	Quantity of topsoil generation in m3	800 m3	Nil	Violation pointed.

I/17429/2023

2e	Quantity of overburden generation in m3	180000 T	Nil.	Violation pointed.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Development is lagging as per proposals to violations pointed for generation of top soil and OB.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks	
3a	Number of pit proposed for production	01	01 (SK 2)	-	
3b	Quantity of ROM mineral production proposed	2018-19 3,20,000 2019-20 3,20,000 2020-21 3,20,000 2021-22 3,20,000 2022-23 3,20,000	Year Achievements 2018-19 3,20,000 T 2019-20 3,20,000 T 2020-21 3,20,000 T 2021-22 3,20,000 T 2022-23 3,20,000 T	Proposal 28,887 14,043 13,570 22,349 16,578	Violation pointed for shortfall in production for year 2022-23.
3c	Recovery of sailable/usable mineral from ROM production	Yes 93 % recovery from ROM proposed.	100 %.	-	
3d	Quantity of mineral reject generation	20816.25 T	Nil	Violation pointed.	
3e	Grade of mineral rejects generation and threshold value declared.	CaO- 34% (Min.) and MgO-5% (Max.)	CaO- 34% (Min.) and MgO- 5% (Max.)	-	
3f	Quantity of sub grade mineral generation.	13100 T	Nil	Violation Pointed.	
3g	Grade of sub grade mineral generation	Yes	No subgrade generated.	-	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.	-	

I/17429/2023

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	Not proposed.	-
3j	Provision of drilling and blasting in mineral benches	Yes	Deep Hole Drilling & Balsting carried out.	-
3k	Provision of mining machineries in mineral benches	Yes	HEMM - Excavator Dumper Combination	-
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	Nil	238.900 Ha under already excavated area.	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.56	Nil	-
3o	Total area put in use under different heads at the end of year	Yes	Covered under current (O-C) Workings 238.900 Ha Reclaimed-rehabilitated 38.640 Ha Used for waste disposal 24.900 Ha Occupied by plant, buildings, residential, welfare buildings and roads 14.030 Ha Used for any other purpose (specify) Mineral Storage, Plantation, Belt Conveyor 24.480 Ha Work done under progressive mine closure plan during the year 0.720 Ha	-

1/17429/2023

3p	Production of ROM mineral during the last five year period as applicable	2018-19 3,20,000 2019-20 3,20,000 2020-21 3,20,000 2021-22 3,20,000 2022-23 3,20,000	Year Achievement 2018-19 T 2019-20 T 2020-21 T 2021-22 T 2022-23 T	Proposal 28,887 14,043 13,570 22,349 16,578	Violation issued for shortfall in production for year 2022-23
3q	General remarks of inspecting officers on method of mining etc.	-	Violation issued for shortfall in development and production.	-	-

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes carried out.	-
4b	Location of topsoil, OB and mineral reject dumps	Yes	No top soil, OB and mineral reject dump generated during the year.	-
4c	Number of dumps within lease area and outside of lease area	Yes	12, At present 12 inactive dump, in 2022-23 No dump is used, No OB Generated during the reporting year.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Yes	No active Dump Proposed during the RY.	-
4e	Number of active and alive dumps.	Nil	At present 12 inactive dump, in 2022-23 No dump is used, No OB Generated .	-
4f	Number of dead dumps.	12	12	-
4g	Number of dumps established.	12	12, No dump established during the reporting year.	-

I/17429/2023

4h	Whether Retaining wall or garland drain all along dumps are there.	Not in proposal	100 m CONSTRUCTED.	-
4i	Length of Retaining wall or garland drain all along dumps	Not proposed.	100 m	-
4j	Number of settling ponds	Not proposed	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.	14.00 Ha	Nil	-
5b	Area under backfilling of mined out area	0.95 Ha	Nil as no OB generated.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	800 m3	Nil	No top soil generated during the reporting year.
5d	Total area fully reclaimed and rehabilitated	37.41 Ha	38.64 Ha (cummulative)	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	-

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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I/17429/2023

6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Yes submittded on 22.06.2022.	-
6b	Area available for rehabilitation (ha) .	NA	NA	-
6c	afforestation done (ha).	-	4052 nos os saplings planted.	-
6d	No. of saplings planted during the year	1500	4052 saplings planted 3150 inside lease 902 out side the lease.	-
6e	Cumulative no .of plants	-	95385 Nos. cummulative.	-
6f	Any other method of rehabilitation	NA	by backfilling.	-
6g	Cost incurred on watch and care during the year	Yes	Rs 1542375/-	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	14 Ha available	Nil	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.95 Ha	Nil as no waste generation during the reporting year.	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	0.28 Ha area .	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	NA	-

I/17429/2023

6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Yes	1750 saplings planted on waste land.	-
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.40 Ha	0.44 Ha	-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Plantation	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Carried out regularly	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	-

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Dispatch	ROM Dispatch.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	-
7c	Different grade of mineral sorted out at mines.	NA	No sorting done at Mines.	-

I/17429/2023

7d	Any beneficiation process at mines	Yes	Screening is done.	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	-

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Top soil produced is used in plantation.	-
8b	Concurrent use or storage of topsoil	Yes	In plantation	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	will be used in back filling.	-
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, Already done.	-
8g	Survival rate	70 %	80 %.	-

I/17429/2023

8h	Water sprinkling on roads to control airborne dust	Yes	Water sprinkling on road carried out regularly.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	Plantation done, and water sprinkling regularly carried out in mine.	-

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Submitted regularly	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Shri Mukesh Kumar Thawait Mining engineer Shri Vipin Kumar Gautam Geologist Shri Mukesh Kumar Thawait Mine Manger	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Covered under current (O-C) Workings 0.000 238.900 Ha Reclaimed-rehabilitated 38.640 Ha Used for waste disposal 24.900 Ha Occupied by plant, buildings, residential, welfare buildings and roads 14.030 Ha (vi) Used for any other purpose (specify) Mineral Storage, Plantation, Belt Conveyor 24.480 Ha Work done under progressive mine closure plan during the : 0.720 Ha	-
9d	Scrutiny of Annual return on afforestation	Yes	3150 planted within lease area 902 planted out side lease area.	-

I/17429/2023

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	Yes	Stock Nil Production 16578 Tonnes.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	It is captive mine. Cost of production : Rs170.43/ Tonnes.	-
9h	Scrutiny of Annual return on fixed assets	Yes	Value of Fixed Assets (Rs 429252622/-)	-
9k	Scrutiny of Annual return on mining machineries	Yes	SHOVEL (HYDRAULIC) 6.500 cum DUMPER 30.000 Tonner BLAST HOST DRILL 115.000 mm WATER TANKER 12000.000 Liters	-

I/17429/2023

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	06-SEP-23			
MCDR17	Rule 34(1)	06-SEP-23			

Date :**(MADHAVRAO SABRE)**

Indian Bureau of Mines