

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/SIDHI/LIMESTONE-07

Mine code : 38MPR41006

- (i) Name of the Inspecting : **KQ06**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : P.K.UPADHYAY (AGENT) , SRINU BABU (MINE MANAGER), GAUAV
Official with
Designation
- (iv) Date of Inspection : 26-OCT-20
- (v) Prev.inspection date : 28-MAY-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MAJHGAWAN EXT (54.8 HECT)**
- (b) **Registration NO.** : **IBM/441/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : SIDHI
Village : MAJHGAWAN
Taluka : RAMPUR NAIKIN
Post office : BHARATPUR
Pin Code : 486776
FAX No. : +912266917400
E-mail : pkupadhaya@adityabirla.com
Phone : +912228244770
- (f) Police Station : ANDHERI (E)
- (g) First opening date : 18-NOV-13
- (h) Weekly day of rest : SUN
2. Address for : A wing, Ahura Centre, 1st floor
correspondance : Maha kali Caves Road,
Andheri (East), Mumbai 400093
3. (a) Lease Number : MPR2570
- (b) Lease area : 54.82
- (c) Period of lease :
- (d) Date of Expiry : 28-MAR-33
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : ULTRATECH CEMENT LIMITED
 SIDHI CEMENT WORKS.VILL.
 MAJHIGAWAN PO BHARATPUR
 DISTT. SIDHI SIDHI MADHYA
 PRADESH
 Phone:
 FAX :

Owner : K. C .JHANWAR
 UTCL,MUMBAI SIDHI MADHYA
 PRADESH
 Phone:
 FAX :

Agent : P K UPADHYAYA
 SIDHI MADHYA PRADESH
 Phone:
 FAX :

Mining Engineer

Name : SANTOSH SHARMA,Full Time
 Qualification :
 Appointment/ :
 Termination date

Geologist

Name : GAURAV TRIPATHI,Full Time
 Qualification : MSc GEOLOGY
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	MP modif under MCR 1960	30-SEP-16
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	02-JUL-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	02 Boreholes	02 Boreholes	
1b	Exploration over lease area for geological axis 1 or 2	Exploration over lease area for Geological axis G1: 54.825 Hect.	Exploration over lease area for Geological axis G1: 54.825 Hect.	
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	NIL	NIL	Exploration over lease area for Geological axis G1: 54.825 Hect.
1e	Balance reserve as on 01/04/20		20.325 MnT	
1f	General remarks of inspecting officers on geology, exploration etc			Entire lease area covered under G1 category as per provided records.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit 2: E 532412 to 532538 & N 2689640 to 2689760	Pit 2- E 532538 to 532538 & N 2689990 to 2689760	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil-0, Over burden-4, Ore -7	Top soil-0, Over burden-4, Ore -7	High elevated area.
2c	Stripping ratio or ore to OB ratio	1:0.59	1:0.55	
2d	Quantity of topsoil generation in m3	500 m3	550 m3	

2e	Quantity of overburden generation in m3	597600 m3	554104 m3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mine development is carried out as per approved document. High elevated area needs more benches to be developed for excavation.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits	Two pits	
3b	Quantity of ROM mineral production proposed	1000000 Tonnes	494311 Tonnes	The mine operation was discontinued from 23.03.2020 to 04.05.2020 due to Lockdown conditions of Covid-19 pandemic. Therefore the mine operation affected due to Covid-19.
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.	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	NA	NA
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA
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	19.328 Hect	21.098 Hect
3n	Ore to OB ratio for the pit/mine during the year.	1:0.59	1:0.55
3o	Total area put in use under different heads at the end of year	30.66 Hect	30.66 Hect.
3p	Production of ROM mineral during the last five year period as applicable	2015-16: 500000 2016-17: 500000 2017-18: 500000 2018-19: 500000 2019-20: 1000000	2015-16: 299251 2016-17: 196652 2017-18: 495254 2018-19: 495605 2019-20: 494311

3q	General remarks of inspecting officers on method of mining etc.	Fully mechanised opencast method of mining is carried out as per approved document. The mine operation was discontinued from 23.03.2020 to 04.05.2020 due to Lockdown conditions of Covid-19 pandemic. Therefore, the mine operation affected due to Covid-19.
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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	
4b	Location of topsoil, OB and mineral reject dumps	E 532347 to 532657 & N 2689720 to N 2690060	E 532347 to 532657 & N 2689720 to 2690060	
4c	Number of dumps within lease area and outside of lease area	Two dumps within lease area	One dump within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Partly within ultimate pit limit-1	Partly within ultimate pit limit-1	
4e	Number of active and alive dumps.	Two	One	
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.	Garland Drain proposed above pits and existing dump	Garland Drain proposed above pits and existing dump
4i	Length of Retaining wall or garland drain all along dumps	Garland drain of approx. 930m	Garland drain of approx. 300m in hill side area to divert the water in the other lease of same owner.
4j	Number of settling ponds	Not proposed	NIL
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.	Part area in Pit-2 fully excavated	part area in Pit-2 fully excavated and Backfilling done in 0.20 Ha. area	
5b	Area under backfilling of mined out area	0.20 Ha.	0.20 Ha.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes	Yes	used in plantation work as per records
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling started in Pit no. -02 partly after full extraction of mineral. Backfilling done in 0.2 Ha area.

 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	Yes	
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	NIL	NIL	
6g	Cost incurred on watch and care during the year	NOT PROPOSED	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.20 Ha.	0.20 Ha.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.20 Ha.	0.20 Ha.	

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.	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	1000 Nos	1500 Nos
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.50 Ha.	0.80 Ha.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	By plantation	By plantation
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	YES, Within Permissible limits

6q General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch to cement plant from the lease area	ROM mineral dispatch to cement plant from the lease area	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	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
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	

8b	Concurrent use or storage of topsoil	Concurrent use of topsoil	Concurrent use of topsoil	No stacking, top soil directly used for plantation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	As per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	By means of backfilling in some part of Pit-2	
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)	NIL	NIL	
8g	Survival rate	80%	approx 80%	
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			Plantation done towards hilly area and barrier zone

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Yes	Monthly Returns & Annual Returns for 2019-20 submitted in time.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Manager: SK Sreenubabu Geologist: Gaurav Tripathi M.E: Santosh Singh
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Lease area (surface area) utilisation as at the end of year (hectares) Under forest (i) Already exploited & abandoned by opencast (O/C) mining 21.098 (ii) Covered under current (O/C) Workings 3.820 (iii) Reclaimed/Rehabilitated 0.200 (iv) Used for waste disposal 7.988 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 (vi) Other Purpose (Roads) 1.800 (vii) Work done under PMCP 0.00
9d	Scrutiny of Annual return on afforestation	Yes	1500 plants
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not proposed	NIL
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	Sale value,- 0 (captive use) Ex-Mine price: Rs. 246.20/- Production costs- Rs. 246.20/-
9h	Scrutiny of Annual return on fixed assets	Yes	Total value: 2294262424
9k	Scrutiny of Annual return on mining machineries	Yes	Type of machinery Used in opencast 1. SHOVEL (HYDRAULIC) 2.100 CUM Non Electrical 2. TIPPER 12.000 CUM (6 nos) Non Electrical 3. ROCK DRILL (NONELEC.) 100.000 MM Non Electrical 4. WATER TANKER 12000.000 LITRE Non Electrical 5. DOZER 301.000 HP Non Electrical 6. EXPLOSIVE VAN 7.000 TONNE Non Electrical

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

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines