

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/SIDHI/LIMESTONE-07

Mine code : 38MPR41006

- (i) Name of the Inspecting Officer and ID No. : **KQ06**) **NARESH KUMAR KATARIYA**
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine Official with Designation : S/Sh P.K.Upadhaya (Agent), S Babu (Mine Manager), Muk
- (iv) Date of Inspection : 22-NOV-19
- (v) Prev.inspection date : 14-DEC-17

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 correspondance : A wing, Ahura Centre, 1st floor
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	No proposal given	No exploration done in the year 2018-19	
1b	Exploration over lease area for geological axis 1 or 2	G1: 54.825 Ha	G1: 54.825 Ha	
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	Not proposed	NA	
1e	Balance reserve as on 01/04/20	Reserve as on 01.04.2019 111- 20.506 Million Tonnes 221- 5.325 Million tonnes	Reserve as on 01.04.2019 after depletion 111 - 20.819 Million Tonnes 221 - 5.325 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Lease area belongs to Rohtas limestone of Semri Group of lower Vindhyan Super group. Grey to whithish Grey colour limestone with interclasesion of cavities.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit 2- E 531600 to 532000 & N 2689300 to 2689600	Pit 2- E 531600 to 532000 & N 2689300 to 2689600	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil-0, Over burden-4 nos , Ore -5 nos.	Top soil-0, Over burden-4 nos , Ore -8 nos .
2c	Stripping ratio or ore to OB ratio	1:0.53	1:0.86
2d	Quantity of topsoil generation in m3	300 m3	250 m3
2e	Quantity of overburden generation in m3	263881 m3	425702 m3
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		

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	500000 te	495605 te	
3c	Recovery of sailable/usable mineral from ROM production	NA	NA	
3d	Quantity of mineral reject generation	Nil	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	No Mineral sub grade proposed	Nil	

3g	Grade of sub grade mineral generation	N/A	N/A
3h	Manual / Mechanised method adopted for segregating from ROM	N/A	N/A
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	N/A	N/A
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	19.75 Ha	19.33 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.53	1:0.86
3o	Total area put in use under different heads at the end of year	30.10 Ha	28.67 Ha

3p	Production of ROM mineral during the last five year period as applicable	2014-15: 400000 te 2015-16: 500000 te 2016-17: 500000 te 2017-18: 500000 te 2018-19: 500000 te	2014-15: 388125 te 2015-16: 299251 te 2016-17: 196652 te 2017-18: 495254 te 2018-19: 495605 te
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)	Yes	Yes	
4b	Location of topsoil, OB and mineral reject dumps	Location of OB dump was proposed between the grids E 532500 to 532700 & N 2689650 to 2690000.	location of the OB dump was found between the grids E 532400 to 532650 & N 2689800 to 2690000	The location of OB dump was found deviated from the proposal of approved document. Violation pointed out for the same.
4c	Number of dumps within lease area and outside of lease area	01 (one) OB dump within lease area	01 (one) OB dump within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Part within ultimate pit limit-1	Part within ultimate pit limit-1	Location deviated from proposed location in approved document. Violation pointed out for the same.
4e	Number of active and alive dumps.	01 (one) active temporary dump.	01 (one) active temporary dump.	

4f	Number of dead dumps.	Not proposed	No dead dump in the lease area during inspection.	
4g	Number of dumps established.	Not proposed	NA	
4h	Whether Retaining wall or garland drain all along dumps are there.	It was proposed to prepare garland drain all around to the mine and dumps and maintain it properly	Garland drain not maintained properly	Violation pointed out for the same.
4i	Length of Retaining wall or garland drain all along dumps	200 m	200 m	
4j	Number of settling ponds	Not proposed	Nil	
4k	Specific comments of inspecting officer on waste dump management			It was proposed to prepare garland drain all around to the mine and dumps. But, during inspection it has been observed that the garland drain was not maintained properly around the mine and dumps. violation is issued for the same.

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.	No backfilling proposed in the year 2018-19	Area not matured enough for backfilling.	
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)	Use of top soil proposed for plantation.	Generated top soil used for plantation.	
5d	Total area fully reclaimed and rehabilitated	One Hactare area to be reclaimed by plantation.	One Hactare non mineralised area reclaimed with plantation.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No mined out area matured for backfilling and no backfilling done in the year 2018-19. Plantation done in the non mineralised area for reclamation.

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	yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the year 2018-19	Violation is issued for the same.
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Afforestation to be done in 01 Ha non minralised area by means of plantation of 2000 plants	Afforestation done in 01 Ha non minralised area by means of plantation of approx. 2000 plants.	
6d	No. of saplings planted during the year	2000 Sapling in the waste land	Approx 2000 saplings in the waste land.	
6e	Cumulative no .of plants	Not proposed	cumulatively approx. 6000 saplings planted.	
6f	Any other method of rehabilitation	Not proposed	NA	

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 (L x B x D	Not proposed	No area matured for backfilling.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	NA
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.	Not proposed	NA
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	2000 Nos of saplings	2000 Nos of saplings

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1 Ha.	1 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)	Within Permissible limits	Within Permissible limits	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No enough matured area for reclamation.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Dispatch of ROM proposed	ROM dispatched to captive plant.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	Nil	
7c	Different grade of mineral sorted out at mines.	Not proposed	NA	
7d	Any beneficiation process at mines	Not proposed	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	Top soil utilized for plantation in approx. 01 Ha non mineralised area	
8b	Concurrent use or storage of topsoil	use of top soil proposed for plantation	As per proposal	No stacking, directly used in plantation work
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One OB dump proposed	Only one temporary OB dump in the lease area.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal in the reporting year	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation proposed	Plantation done.	

8g	Survival rate	80%	70% approx.
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		

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	YES	MR till Nov-19 & AR for 2018-19 submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Name of the Mining Engineer, Geologist and Manager Manager: SK Sreenubabu Geologist: Gaurav Tripathi M.E: Pranay Gajhbiye	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	furnished	Land use pattern as per AR	
9d	Scrutiny of Annual return on afforestation	Yes	Afforestation of 2000 plants done in non mineralised area.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject.	No mineral reject.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Furnished in AR	Total ROM production 495605 MT.	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	Sale value,- 0 Ex.Mine price - Rs. 252.63 Production costs-Rs. 252.63
9h	Scrutiny of Annual return on fixed assets	Furnished	Rs. 2294262423 Fixed assets (combined for six leases)
9k	Scrutiny of Annual return on mining machineries	Yes	As per AR

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)	06-JAN-20	06-MAY-20				
	Rule 26(2)	06-JAN-20	06-MAY-20				

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines