

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

Check up inspection REPORT

Jabalpur regional office

Mine file No : MP/SIDHI/LIMESTONE-07

Mine code : 38MPR41006

- (i) Name of the Inspecting : **NQ07**) **PUKHRAJ NENIVAL**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Shri S K Sinha, Agent, Shri Santosh Singh, Manager
Official with
Designation
- (iv) Date of Inspection : 19-AUG-21
- (v) Prev.inspection date : 13-MAR-20

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 : sandeepk.sinha@adityabirla
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
 A wing,Ahura Centre, 1st
 floor, Maha kali Caves
 Road, Andheri (East), Mumbai
 400093 SIDHI MADHYA PRADESH
 Phone: +912228244770
 FAX : +912266917400

Agent : S K SINHA
 Aditya Vihar, Post:
 Bharatpur, Rampur, Naikin,
 Sidhi (MP) SIDHI MADHYA
 PRADESH
 Phone: 9425811084
 FAX :

Mining Engineer

Name : Santosh Singh, Full Time
 Qualification : BE Mining
 Appointment/ : 07-NOV-18
 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
	:	MP review under 17(1) MCR 2016	24-DEC-20

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	No proposal for exploratory bore holes.
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1= 50.665 ha Unexplored=4.16 ha	Total area=54.825 ha G1=50.665 ha Unexplored=4.16 ha	Additional 03 nos. BH proposed fin FY 2021-22.
1e	Balance reserve as on 01/04/20			111- 19.825 MnT
1f	General remarks of inspecting officers on geology, exploration etc			The limestone of Majhgawan Extension lease area belongs to Rohtas Stage of Semri Series of Lower Vindhyan System of Indian Stratigraphy. Ghaghar quartzite overlies the Rohtas Stage that forms a part of the Kaimur Hills. The regional strike of limestone deposit is ENE - WSW with a northerly dip varying from 50 to 100 into the hills. Lithological sequence; Top soil with scree material Sand stone pebbles Limestone

 Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit 1: E 532200 to 532600& N 2689840 to 2689580 Pit 2: E 531820 to 532310& N 2689400 to 2689600	Pit 1: E 532340 to 532580& N 2689340 to 2689580 Pit 2: E 532000to 532310& N 2689440 to 2689600	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Pit 1: Top soil-0, Over burden-4, Ore -1 Pit 2: Top soil-0, Over burden-0, Ore -5	Pit 1: Top soil-0, Over burden-3, Ore -1 Pit 2: Top soil-0, Over burden-0, Ore -3	
2c	Stripping ratio or ore to OB ratio	1:0.10	1:0.22	
2d	Quantity of topsoil generation in m3	500 M3	520 M3	
2e	Quantity of overburden generation in m3	105592 M3	113015 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	1000000 Tons	499922 Tons	Production kept under previous EC capacity (0.50MnT/Year)
3c	Recovery of sailable/usable mineral from ROM production	Nil	Nil	ROM sent to crusher
3d	Quantity of mineral reject generation	No Mineral rejects found.	No Mineral rejects found.	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	Not applicable	
3f	Quantity of sub grade mineral generation.	Not proposed	No Mineral sub grades found	
3g	Grade of sub grade mineral generation	Not proposed	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	Not applicable	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not applicable	
3j	Provision of drilling and blasting in mineral benches	Proposed	Yes	6"drill Atls D-50,ROC-6
3k	Provision of mining machineries in mineral benches	Proposed	Yes	3.5 M3 Tata Hitachi Z axis, 40 T Cat Dumper
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Suitable as proosed.	

3m	Total area covered under excavation/pits	21.99 ha	22.34 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.10	1:0.22	
3o	Total area put in use under different heads at the end of year	35.87 ha	34.50 ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17: 500000 2017-18:500000 2018-19:500000 2019-20: 1000000 2020-21: 1000000	2016-17:196652 2017-18: 495254 2018-19:495605 2019-20: 494311 2020-21: 499922	Production kept under previous EC capacity (0.50 MnT/year)
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	As per proposal.	
4b	Location of topsoil, OB and mineral reject dumps	E 532349 to 532657 &N 2689719 to N 2690029	E 532446 to 532631 & N 2689770 to 2690019	
4c	Number of dumps within lease area and outside of lease area	One	One	Active dump within the lease
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Part within ultimate pit limit-1	Part within ultimate pit limit-1	Part of the Dump is planned to be re-handled in Next 5 year plan

4e	Number of active and alive dumps.	One Dump	One Dump
4f	Number of dead dumps.	NIL	NIL
4g	Number of dumps established.	One	One
4h	Whether Retaining wall or garland drain all along dumps are there.	Along dumps and pits	Garland drains above pits and existing dump
4i	Length of Retaining wall or garland drain all along dumps	Garland drains - 0 mtrs Retaining wall - 0 mtrs	Garland drains - 85 mtrs Retaining wall - 150m mtrs
4j	Number of settling ponds	Nil	Not applicable
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 of area in Pit-2 fully excavated	Backfilling done in 0.10 Ha. area	
5b	Area under backfilling of mined out area	1.0 Ha.	0.20 Ha.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes, used in plantation work	Yes, used in plantation work	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	

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).	Yes	Report submitted in time.	
6b	Area available for rehabilitation (ha) .	No Proposal	Not applicable	
6c	afforestation done (ha).	1 ha	1 ha	
6d	No. of saplings planted during the year	600 nos	1000 nos	
6e	Cumulative no .of plants	6000 nos	6000 nos	
6f	Any other method of rehabilitation	Not proposed	By plantation	
6g	Cost incurred on watch and care during the year			
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	1.0 Ha	Total Pit area= 22.34 Ha. Area available for backfilling	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1.0 Ha.	1.0 Ha.	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	0.20 Ha.	0.10 ha	
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	600 Nos.	1000 nos	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.30 Ha.	0.30 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)	Within Permissible limits	Within Permissible limits	Quarterly basis

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Plantation on Non mineralized area
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Mineral Conservation:

Sl.No.	Item	Propasals	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.	No Proposal	Not applicable	
7c	Different grade of mineral sorted out at mines.	No Proposal	Not applicable	
7d	Any beneficiation process at mines	No Proposal	Not applicable	
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	Used for plantation	as per proposal
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes separate Dump stabilised for waste	As per proposal Made for waste
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)	Yes Proposed	Being done
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline 5000 Nos.	Additional =1000 Nos.
8g	Survival rate	80%	85%
8h	Water sprinkling on roads to control airborne dust	Yes	Regular water sprinkling on haul roads and static water sprinklers installed at crusher ramp
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
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9a	Status of submission of Monthly and Annual returns		Monthly Returns till July-2021& Annual Returns for 2020-21 submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Name of the Mining Engineer, Geologist and Manager is given below: 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.		Land use pattern as per Annual Returns
9d	Scrutiny of Annual return on afforestation		1000 Nos. with 85% survival rate
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		As per Annual Returns proposal, However no mineral reject generated during the year
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Found in order
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value:0 Ex-Mine price: Rs. 508.33/- Production cost: Rs. 508.33/-	Ex-Mine Price & Cost of Production is same in case of captive lease
9h	Scrutiny of Annual return on fixed assets		Value of fixed assets: Rs. 2,23,37,00,162
9k	Scrutiny of Annual return on mining machineries		Violation has been pointed out for mining Machinery Record.

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)	30-AUG-21				
MCDR17 Rule 54(c)	30-AUG-21				

Date :

(PUKHRAJ NENIVAL)

Indian Bureau of Mines