

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/STN/LST-127

Mine code : 38MPR35166

- (i) Name of the Inspecting : **C004**) **ROBERT SIMON C**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 21-DEC-20
- (v) Prev.inspection date : 16-JAN-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **UMROR**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : SATNA
Village : BHADANPUR
Taluka : MAIHAR
Post office : MAIHAR
Pin Code : 485772
FAX No. : 07674-322306,0761-321881
E-mail : mc_mines@yahoo.com
Phone : 07601-32043,32067,32068
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for :
correspondance MAIHAR CEMENT
P.O. SARLA NAGAR, MAIHAR, SANTA (M.P.) 485772
3. (a) Lease Number : MPR0423
- (b) Lease area : 296.96
- (c) Period of lease :
- (d) Date of Expiry : 31-MAR-30
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : MAIHAR CEMENT
 P.O. SARLA NAGAR, MAIHAR
 SATNA MADHYA PRADESH
 Phone: 07601-32043, 32067, 32068
 FAX : 07674-322306, 0761-321881

Owner : CENTURY TEXTILES & INDUSTRIES LTD.
 CENTUARY BHAWAN, DR. ANNI
 BESENT ROAD, BAMBAY
 AHMEDNAGAR MAHARASHTRA
 Phone: 022-4300351
 FAX : 022-4309491

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	20-JUN-96
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	16-SEP-05
		Mining Scheme rule 12 MCDR1988	08-JUN-09
		Mining Scheme rule 12 MCDR1988	06-MAY-14
		MP review under 17(1) MCR 2016	05-MAR-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NA	NA	
1b	Exploration over lease area for geological axis 1 or 2	"Proposed BH Nos.- 12NO. Proposed Drilling - 550M."	"Proposed BH Nos.- Nil Proposed Drilling - Nil"	Nil violation pointed out
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Maihar Cement	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	proposal given for further years to explore G2 area in to G1	proposal given for further years to explore G2 area in to G1	
1e	Balance reserve as on 01/04/20		17.211219 million tonnes	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	development proposed in four pits within the lease area	development carried out in four pits within the lease area	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	Maintained as per proposal	
2c	Stripping ratio or ore to OB ratio	1:0.08	1:0.16	
2d	Quantity of topsoil generation in m3	4239	4239	
2e	Quantity of overburden generation in m3	42390	11297.5	violation pointed out

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The mine development was lagging from the proposal and not as per the approved proposals of approved document.
----	---	--

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	2	
3b	Quantity of ROM mineral production proposed	899250	868781	
3c	Recovery of sailable/usable mineral from ROM production	90% recovery	80-90% recovery	
3d	Quantity of mineral reject generation	63338	10790	violation pointed out
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	mechanical method	mechanical method of mining is being adopted with use of HEMM	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	NIL
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	suitable bench height proposed	As per proposal
3m	Total area covered under excavation/pits	52.19 Ha	52.19 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.08	1:0.16
3p	Production of ROM mineral during the last five year period as applicable	2015-16 899850 2016-17 899595 2017-18 897165 2018-19 899775 2019-20 899250	2015-16 197177 2016-17 199252 2017-18 545616 2018-19 704472 2019-20 868781

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	proposed	as per proposal	
4b	Location of topsoil, OB and mineral reject dumps	it was proposed to dump top soil and OB in the old pit E	top soil and OB is being dunned in the Old pit E as per proposal	

4c	Number of dumps within lease area and outside of lease area	8	8-9
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside the UPL	outside the UPL
4e	Number of active and alive dumps.	8	8
4f	Number of dead dumps.	4	4
4h	Whether Retaining wall or garland drain all along dumps are there.	proposed	Garland drain along dump 200*2*1 m
4i	Length of Retaining wall or garland drain all along dumps		Garland drain along dump 200*2*1 m
4j	Number of settling ponds	NA	NA

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.	full extration of mineral proposed	full extartion of mineral proposed before initiating backfilling	
5b	Area under backfilling of mined out area	12.6	12.6	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	use of top soil is proposed for planttaion	top soil is being used in plantation	use of top soil is proposed for planttaion
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	

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	
6b	Area available for rehabilitation (ha) .	12.6	12.6	
6c	afforestation done (ha).	1 Ha	1 Ha	
6d	No. of saplings planted during the year	2000	2000	
6e	Cumulative no .of plants	14000	14000	
6f	Any other method of rehabilitation	NA	NA	
6g	Cost incurred on watch and care during the year	Rs. 50000/-	Rs. 50000/-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	12.6 Ha	12.6 Ha	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	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)	proposed	As per proposal	

 Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	proposed	ROM is being dispatched to the captive cement 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	Nil	
7d	Any beneficiation process at mines	not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM is being dispatched to the captive cement plant, no processing is being adopted for beneficiation.

 Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	yes	separate removal and storage of Top soil and utilisation is being adopted	
8b	Concurrent use or storage of topsoil	yes	top soil is being used in planttaion	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes	waste is being dumped separately	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	yes	backfilling is proposed for the use of OB and waste generated
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	yes	phased restoration proposed by means of backfilling and plantation over the backfilled area
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	yes	provided in the approved mining plan
8g	Survival rate	99%	90%
8h	Water sprinkling on roads to control airborne dust	yes	adopted as per proposal

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	given	A.R. Submitted upto 2019-20 M.R. Submitted upto Nov. 2020	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	given	Manager Shri Pradeep Rai Mining Engineer in charge Shri S.K.Garg Geologist in charge Shri P.K. Mishra	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	given	Already exploited & abandoned by opencast (O/C) mining-217.681 Covered under current (O/C) Workings -52.190 Reclaimed/Rehabilitated - 12.600 Used for waste disposal -4.340 Occupied by plant, buildings, residential, welfare buildings & roads -4.430 Work done under progressive mine closure plan during the year - 10.920
9d	Scrutiny of Annual return on afforestation	NA	NA
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	given	nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	given	nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	given	Ex. Mine price - Rs.318.69
9h	Scrutiny of Annual return on fixed assets	furnished	NA
9k	Scrutiny of Annual return on mining machineries		BACK HOE 2.300 CUM 2(nos) Non Electrical Opencast FRONT END LOADER 3.600 CUM 1(nos) Non Electrical Opencast BLAST HOST DRILL 115.000 MM 1(nos) Non Electrical Opencast TIPPER 16.000 CUM 10(nos) Non Electrical Opencast

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)	27-JAN-21	03-MAR-21				
MCDR17	Rule 26(2)	27-JAN-21	03-MAR-21				
MCDR17	Rule 33	27-JAN-21	03-MAR-21				
MCDR17	Rule 55(1) (1	27-JAN-21	03-MAR-21				

Date :

(ROBERT SIMON C)

Indian Bureau of Mines