

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/SATNA/LST-66

Mine code : 38MPR35113

- (i) Name of the Inspecting : **C004**) **ROBERT SIMON C**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : S K Jain Geologist, Mr. D. K. Sharma Manager Mines
Official with
Designation
- (iv) Date of Inspection : 23-DEC-20
- (v) Prev.inspection date : 15-JAN-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TILOURA (193.252 HA)**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : SATNA
Village : TILOURA, SIRMILLI
Taluka : MAIHAR
Post office : TILOURA
Pin Code : 485772
FAX No. : N. A.
E-mail : N. A.
Phone : N. A.
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : M/S MAIHAR CEMENT
correspondance P.O. SARLA NAGAR, MAIHAR,
DIST. SANTA (M.P.) 485772
3. (a) Lease Number : MPR0426
(b) Lease area : 193.25
(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

Mining Engineer

Name : DEVESH GHULEY, Full Time
 Qualification : B.E. (MINING)
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	11-APR-94
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	03-SEP-01
		Mining Scheme rule 12 MCDR1988	06-JUN-06
		Mining Scheme rule 12 MCDR1988	29-JUL-10
		Mining Scheme rule 12 MCDR1988	07-APR-15
		Renewal under rule 24 MCR1960	06-MAY-15
		MP review under 17(1) MCR 2016	22-JUL-20

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Proposed BH Nos.- NIL Proposed Drilling -NIL	NIL	
1b	Exploration over lease area for geological axis 1 or 2	proposed to explore the lease area upto Gl.	lease area explored upto Gl.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Applicable	Not Applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Applicable	Not Applicable	
1e	Balance reserve as on 01/04/20	25.5 Million tonnes (111)	33 Million tonnes (111)	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit No 1 named Silouti pit	Pit No 1 named Silouti pit	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	Separate benches prepared in the pit (however due to lack ofdevelopment work pit was waterlogged).	
2c	Stripping ratio or ore to OB ratio	1:0.4	Nil	
2d	Quantity of topsoil generation in m3	500	nil	violation pointed out
2e	Quantity of overburden generation in m3	11500	nil	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.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	nil	violation pointed out
3b	Quantity of ROM mineral production proposed	500000	nil	violation pointed out
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	
3d	Quantity of mineral reject generation	34528	nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not Proposed	nil	
3f	Quantity of sub grade mineral generation.	Not Proposed	nil	
3g	Grade of sub grade mineral generation	Not Proposed	nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method proposed	NA (mine not in operation)	

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	Proposed	NA (mine not in operation)
3k	Provision of mining machineries in mineral benches	Proposed	NA (mine not in operation)
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Suitable	Suitable as per proposal
3m	Total area covered under excavation/pits	19.062 Ha	19.062 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.4	NA
3o	Total area put in use under different heads at the end of year	51.748	24.782
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 500000	2015-16 263454 2016-17 46680 2017-18 182537 2018-19 468 2019-20 0

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping proposed of topsoil, OB and mineral rejects (Rule 32,33)		nil	

4b	Location of topsoil, OB and mineral reject dumps	yes	dumps were proposed in the pit silouti adjacent area	
4c	Number of dumps within lease area and outside of lease area	one	one	
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.	one	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.	yes	prepared 600*2*1m	
4i	Length of Retaining wall or garland drain all along dumps	yes	prepared 600*2*1m	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management			mine not in operation. development work not done. target not achieved for the reporting year.

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 extraction proposed	no area fully extracted for the 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)	proposed for plantation	nil	
5d	Total area fully reclaimed and rehabilitated		nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			mine not in operation. development work not done. target not achieved for the reporting year.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	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) .	NIL	NIL	
6c	afforestation done (ha).	0.2 Ha	0.2 Ha	
6d	No. of saplings planted during the year	400	400	
6e	Cumulative no .of plants	5400	400	
6f	Any other method of rehabilitation	NA	nil	
6g	Cost incurred on watch and care during the year	Rs. 300000/-	Rs. 333125/-	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	nil	nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	nil	nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	NA	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	YES	nil	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	yes	as per proposal	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			mine not in operation.development work not done. target not achieved for the reporting year.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	NA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical method proposed	adopted	
7c	Different grade of mineral sorted out at mines.	NA	nil	
7d	Any beneficiation process at mines .	not proposed	nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			mine not in operation. target not achieved for the reporting year.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	yes	nil	mine not in operation. development work not done. target not achieved for the reporting year.
8b	Concurrent use or storage of topsoil	yes	nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes	nil	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	yes	nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	yes	nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	yes	as per proposal	
8g	Survival rate	90%	90%	
8h	Water sprinkling on roads to control airborne dust	yes	NA	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			aesthetic beauty in and around mine area is not maintained.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	yes	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	yes	Manager -Shri D.K. Sharma Mining Engineer in charge-Shri D.S. Pandey Geologist in charge - Shri Vishnu Vasu
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Already exploited & abandoned by opencast (O/C) mining- 193.252 Covered under current (O/C) Workings - 19.062 Used for waste disposal- 5.880 Occupied by plant, buildings, residential, welfare buildings & roads- 0.500 Other Purpose (Road, plantation)-1.135 Work done under progressive mine closure plan during the year- 0.250
9d	Scrutiny of Annual return on afforestation	furnished	furnished in AR
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	furnished	furnished
9f	Scrutiny of Annual return on ROM stock and/or graded ore	furnished	nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	yes	nil
9h	Scrutiny of Annual return on fixed assets	yes	nil
9k	Scrutiny of Annual return on mining machineries		BACK HOE 2.300 CUM 1no Non Electrical TIPPER 16.000 CUM 1no Non Electrical

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)	27-JAN-21	26-FEB-21				
MCDR17	Rule 26(2)	27-JAN-21	26-FEB-21				

Date :

(ROBERT SIMON C)

Indian Bureau of Mines