

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

Mining Plan Modification REPORT

Jabalpur regional office

Mine file No : MP/STN/LST-127

Mine code : 38MPR35166

- (i) Name of the Inspecting : **SQ24**) **MADHAVRAO SABRE**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri S.K JAIN, Gelologist,
Official with : Shri S.K Garg, Mining
Designation : Engineer
- (iv) Date of Inspection : 30-JUL-22
- (v) Prev.inspection date :

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 : 27 July 1979
- (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 : 217.681 Ha
- (c) Period of lease : **50Years**
- (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	Nil	NA	-
1b	Exploration over lease area for geological axis 1 or 2	9 boreholes proposed	9 boreholes drilled , (300 m)	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Rs 8.5 lakhs approximately	Rs 9 lakh	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1-140.33 ha. G2- nIL G3-nil.	G1-140.33 ha. G2- nIL G3-nil.	-
1e	Balance reserve as on 01/04/20	as on 01/4/2022	111-14 MT 211- 23 MT	-
1f	General remarks of inspecting officers on geology, exploration etc	-	9 Boreholes had been drilled admesuring 300 m during the reporting period.	-

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	pit-ND	ND Pit	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes developed	-
2c	Stripping ratio or ore to OB ratio	1:012	1:0.12	-
2d	Quantity of topsoil generation in m3	Nil	Nil	-
2e	Quantity of overburden generation in m3	Nil	-	-

2f General remarks - Pit developed as per SOM -
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	02	02	-
3b	Quantity of ROM mineral production proposed	876598 T	526960 T	-
3c	Recovery of sailable/usable mineral from ROM production	Yes	Yes	-
3d	Quantity of mineral reject generation	146200T	145800T	-
3e	Grade of mineral rejects generation and threshold value declared.	CaO is less than 34% and MgO Above 5%	CaO is less than 34% and MgO Above 5%	-
3f	Quantity of sub grade mineral generation.	89860 T	52696T	-
3g	Grade of sub grade mineral generation	34- 38 CaO	34- 38 CaO	-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No	Nil	-
3j	Provision of drilling and blasting in mineral benches	Yes	Yes	-

3k	Provision of mining machineries in mineral benches	Yes proposed	Yes	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Height of 6m is proposed and maintained.	-
3m	Total area covered under excavation/pits	68.57Ha	52.88 Ha.	-
3n	Ore to OB ratio for the pit/mine during the year.	-	No OB removal is proposed in the reporting year	-
3o	Total area put in use under different heads at the end of year	102.66Ha	86.72Ha.	-
3p	Production of ROM mineral during the last five year period as applicable	2017-18 897165 2018-19 899775 2019-20 899250 2020-21 899500 2021-22 8,76,598	2017-18 545616 2018-19 704472 2019-20 868781 2020-21 790080 2021-22 526960	-
3q	General remarks of inspecting officers on method of mining etc.	-	During the reporting year target could not be achieved due to covid pandemic	-

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal	Not proposed in reporting year	-
4b	Location of topsoil, OB and mineral reject dumps	-	Nil	-
4c	Number of dumps within lease area and outside of lease area	02	02 dumps, no dumps outside the lease.	-

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Yes	Yes	-
4e	Number of active and alive dumps.	Nil	Nil	-
4f	Number of dead dumps.	02	02	-
4g	Number of dumps established.	01	01	-
4h	Whether Retaining wall or garland drain all along dumps are there.	yes	Constructed.	-
4i	Length of Retaining wall or garland drain all along dumps	-	Garland drain along dump 600mtr X 3mtr X 1mtr	-
4j	Number of settling ponds	Nil	Nil	-
4k	Specific comments of inspecting officer on waste dump management	Yes	No New Dumps are made in reporting year . Backfilling in Proposal	-

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.	Yes	Yes	Being done in barrier near safety zone
5b	Area under backfilling of mined out area	0.7 ha.	0.7 ha.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes	Spread over ols dumps and used for plantation. No storage is done.	
5d	Total area fully reclaimed and rehabilitated	Nil	NA	-

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil	Backfilling is done on safety barriers	-
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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, submitted by letter No. MCW/PKU/ Mine22/134 Dated 30/05/2022	-
6b	Area available for rehabilitation (ha) .	Nil	Na	-
6c	afforestation done (ha).	yes	1400 saplings planted on back filled area.	-
6d	No. of saplings planted during the year	9400	1400 +8000= 9400	-
6e	Cumulative no .of plants	9400	9400	-
6f	Any other method of rehabilitation	Na	NA	-
6g	Cost incurred on watch and care during the year	-	NA	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Na	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	yes	0.7 Ha	-

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	Yes	1400 Saplings planted.	-
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	Nil	-
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Yes	8000 saplings planted.	-
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	4.00 Ha	4.00 Ha is rehabilitated by afforestation of 8000 saplings	-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Yes	by plantation on backfilled area.	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Done on regular basis	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Yes proposed	9400 saplings planted. Measures taken for PMCP.	-

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM	ROM is dispatched, grade wise sorting is not done.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Grade wise sorting	No grade wise sorting is done.	-
7c	Different grade of mineral sorted out at mines.	NA	NA, Cement Grade Limestone is dispatched from lease.	-
7d	Any beneficiation process at mines	NA	NA	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	Mineral sorting is not practiced in the lease. ROM is dispatched	-

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	yes	Not proposed in reporting year.	-
8b	Concurrent use or storage of topsoil	Yes	Not proposed in reporting year	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed.	No proposal for current year.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Yes, being done.	-

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	yes	Yes done.	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	yes	At Backfilling 1400Nos. at waste land 8000 Nos.	-
8g	Survival rate	99%	95%	-
8h	Water sprinkling on roads to control airborne dust	YES	Water sprinkling on roads to control airborne dust is practiced.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Yes	Plantation done green belt developed by planting 9400 Nos. of saplings.	-

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	yes	Submitted within prescribed time limit.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Mining Engineer in charge Shri S.K.Garg Geologist in charge Shri S.K. Jain	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes given	Pit- 52.8Ha. Dump- 4.34 Ha. Backfilling - 14.2Ha. Infrastructure -4.46Ha.	-
9d	Scrutiny of Annual return on afforestation	yes	Afforestation done.	-

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	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	Dispatch :526960.00 T Ex Mine Price: Rs 371.94/ tone It is captive Mine	-
9h	Scrutiny of Annual return on fixed assets	yes	Value of Fixed Assets (in Rs) 2044324078/-	-
9k	Scrutiny of Annual return on mining machineries	Yes, Shovel- 3.9 Cum Back Hoe- 2.3 Cum, Tipper-16Cum, Front End Lodder - 1.3Cum. Explosive vain -3.7T & 2.4T, Water Tanker- 10000Ltr.,	Yes, observed during inspection.	-

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 :

(MADHAVRAO SABRE)

Indian Bureau of Mines