

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

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MAH/BHD/FE-1/NGP

Mine code : 30MSH05001

- (i) Name of the Inspecting : **S123**) **A.K. PATEL**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : SHRI KAMBLE GELOGIST,
Official with
Designation
- (iv) Date of Inspection : 24-Jan-23
- (v) Prev.inspection date : 16-Jun-22

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KHURSIPAR**
- (b) **Registration NO.** : **IBM/5319/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : MAHARASHTRA
- District : GONDIA
- Village : KHURSIPAR
- Taluka : AMGAON
- Post office : CHIRCHARBANDH
- Pin Code : 441809
- FAX No. : (0712)-234239
- E-mail :
- Phone : 232775(M.D.),233101,233419
- (f) Police Station :
- (g) First opening date : 19-Jan-93
- (h) Weekly day of rest : SAT
2. Address for : 3RD FLOOR, UDYOG BHAVAN,
correspondance : CIVIL LINES,
NAGPUR-440 001
3. (a) Lease Number : MSH0036
- (b) Lease area : 9.32
- (c) Period of lease : 50
- (d) Date of Expiry : 30-Mar-34
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : MAHARASHTRA STATE MINING CORPN. LTD.
 3RD FLOOR, UDYOG BHAVAN,
 OPP. VIKRIKAR BHAVAN, CIVIL
 LINES, NAGPUR NAGPUR
 MAHARASHTRA
 Phone:0712 2565051
 FAX :0712 2565054

Owner : M/S MAHARASHTRA STATE MINING CORPORATION LTD.
 5, ABHYANKAR NAGAR NAGPUR -
 10 NAGPUR MAHARASHTRA
 Phone:
 FAX :

Agent : SHRI C. C. SARKAR
 5, ABHYANKAR NAGAR, P. B.
 NO. 351, DISTT. - NAGPUR
 (M. S.). NAGPUR MAHARASHTRA
 Phone: 526419, 533101, 531849.
 FAX :

Manager
 Name : SHRI S. DAY
 Qualification : FOREMAN'S CERTIFICATE
 Appointment/ : 31-Jan-05
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	20-Mar-03
Plan/Scheme of Mining		FMCP under 23C(1)	04-Nov-08
		Mining Scheme rule 12 MCDR1988	05-Aug-09
		Modif.of approved Mining Plan	03-Jun-16
		MP review under 17(1) MCR 2016	15-Jul-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	8 BOREHOLE PROPOSED	NIL	ROMP IS SUBMITTED ON THE BASIS OF VIOLATION.
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	ROMP SUBMITTED
1c	Exploration Agencies and Expenditure in lakh rupees during the year	MSMC	NIL	ROMP SUBMITTED
1d	Balance area to be explored to bring Geological axis in 1 or 2	2.27	2.27	EXPLORATON NOT DONE
1e	Balance reserve as on 01/04/20	247038 MT	15000MT	TARGET NOT ACHIVED
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	ROMP OS SUBMITTED ON THE BASIS OF VIOLATION

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Existing Pit	Existing Pit	Existing Pit
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	3 Bench in Ore 2 Bench in OB	3 Bench in Ore 2 Bench in OB	AS ABOVE
2c	Stripping ratio or ore to OB ratio	1:10	1:4	AS ABOVE
2d	Quantity of topsoil generation in m3	250 Cum	150 Cum	AS ASBOVE
2e	Quantity of overburden generation in m3	3050	2280	

2f General remarks
of inspecting
officers on
development of
pit w.r.t. type
of deposit etc

DUE TO FINANCIAL
CRUNCH WORK NOT
DONE PROPERLY

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	2	
3b	Quantity of ROM mineral production proposed	35600 MT	5331.880 MT	VIOLATION ISSUED BY IBM
3c	Recovery of sailable/usable mineral from ROM production	28432 MT	5814.900 MT	VIOLATION ISSUED BY IBM ,MSMC HAS ROMP SUBMITTED
3d	Quantity of mineral reject generation	476	476	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	5000	NIL	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	DRILL	As per Proposal	

3k	Provision of mining machineries in mineral benches	No Machineries	No Machineries	AS ABOVE
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 mt.	3 mt.	AS ABOVE
3m	Total area covered under excavation/pits	3.80 HA	NOT DONE AS PER PROPOSAL	AS ABOVE
3n	Ore to OB ratio for the pit/mine during the year.	1:10	1:04	
3o	Total area put in use under different heads at the end of year	Pit 1.14 Waste/ reject 0.20 Other 0.50	Pit 1.14 Waste/ reject 0.20 Other 0.50	
3p	Production of ROM mineral during the last five year period as applicable	35000 MT PER YEAR	2017-18 7150.420 2018-19 6958.260 2019-20 7850.710 2020-21 16342.610 2021-22 10337.880	VIOLETION ISSUED BY IBM ,MSMC SUBMITTED ROMP.
3q	General remarks of inspecting officers on method of mining etc.			ROMP SUBMITTED AS PER VIOLETION

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	3554 MT	3554 MT	AS ABOVE
4b	Location of topsoil, OB and mineral reject dumps	East	East	AS ABOVE
4c	Number of dumps within lease area and outside of lease area	2 Nos of Dumps	2 Nos of Dumps	AS ABOVE
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Small dump with 8.5 mtr in lease boundry	165 North East 132 South East	AS ABOVE

4e	Number of active and alive dumps.	Achive 2 nos of fines dump	As per proposal	AS ABOVE
4f	Number of dead dumps.	1	1	AS ABOVE
4g	Number of dumps established.	2 nos	2 nos	
4h	Whether Retaining wall or garland drain all along dumps are there.	2	2	
4i	Length of Retaining wall or garland drain all along dumps	Not Propose	250 mtr	
4j	Number of settling ponds	Not Propose	1	
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.	No Backfilling Proposed	NA	AS ABOVE
5b	Area under backfilling of mined out area	NA	NA	AS ABOVE
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	AS ABOVE
5d	Total area fully reclaimed and rehabilitated	NA	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			AS ABOVE

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 Annual Report on PMCP for two years 2020-21 2021-22	AS ABOVE
6b	Area available for rehabilitation (ha) .	NA 0.50 Ha 50 Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year NA 0.50 Ha 50 1400 NA Not Proposed NA 0.75 Ha 200 1850 NA 28650/- Rs.	Management of worked/mined out benches i) Area available for rehabilitation (ha) 0.75 Ha 200 1850 NA 28650/- Rs. ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	
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	NA	NA	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	NA	NA	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NA	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	NA	0.5Ha	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NA	NA	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NA	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	NA	NA	

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	MODIFICATION OF MINING PLAN HAS SUBMITTED BY MSMC
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not Proposed	5331 MT	AS ABOVE
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines .	NA	NA	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	Separate Stacking	
8b	Concurrent use or storage of topsoil	NA	Separate Stacking	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	3560	3050	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Back filling	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)		NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 Nos	25	LESS RATE OF SURVIVAL
8g	Survival rate		50 %	
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			AS ABOVE

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto Jan 2023 A.R. submitted upto Dec 2022		

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

Date :

(A.K. PATEL)

Indian Bureau of Mines