

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

Mining Plan Modification REPORT

Jabalpur regional office

Mine file No : MP/SAGAR/ROCKPHOSP-01

Mine code : 46MPR34001

- (i) Name of the Inspecting : **KQ06**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : S/Sh S. K. Sharma (Mine Manager), Sh. Pradeep Doki (M
Official with
Designation
- (iv) Date of Inspection : 09-FEB-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TIGODA (52.8 H)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : SAGAR
Village : TIGODA
Taluka : BANDA
Post office : HIRAPUR
Pin Code : 470331
FAX No. : NA
E-mail : NA
Phone : NA
- (f) Police Station :
- (g) First opening date : 05-JUN-98
- (h) Weekly day of rest :
2. Address for : M/S M.P.STATE MINING CORPORATION
correspondance
3. (a) Lease Number : MPR2016
(b) Lease area : 52.8
(c) Period of lease : 50
(d) Date of Expiry : 05-JUN-48
4. Mineral worked : ROCK PHOSPHATE Main

5. Name and Address of the

Lessee : M.P.STATE MINING CORPORATION
PARYAVAS BHAVAN ARERA
HILLS, BLOCK-1 JAIL ROAD
BHOPAL MADHYA PRADESH
Phone:0755-763391
FAX :0755-763394

Owner : M.P.STATE MINING CORPORATION
PARYAVAS BHAVAN ARERA
HILLS, BLOCK-1 JAIL ROAD
BHOPAL MADHYA PRADESH
Phone: N. A.
FAX : N. A.

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	02-DEC-04
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	17-APR-09
	:	Mining Scheme rule 12 MCDR1988	29-JUL-13

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NA	NA	This is a non working mine. The Scheme of mining expired on 31.03.2018. Thereafter, Review & update of mining plan was not submitted up to year 2021-22. Years 2018-19, 2019-20, 2020-21 & 2021-22 are lapse period due to absence of approved Review of Mining Plan. Inspection was undertaken for processing of RMP for the proposal period 2022-23.
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	Exploaraiton not carried out in the last approved period.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	Exploaraiton not carried out in the last approved period.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration under catagory G-1	No exploration done in the last approved period. Exploration area under G2- 5.28 Hect & under G3-18.6 hect. 28.92 hect area is found unexplored as per submitted records.	
1e	Balance reserve as on 01/04/20		Balance reserve as on 31.03.2021 - 784578 Tonnes	

1f	General remarks of inspecting officers on geology, exploration etc	Exploration has not been carried out in the lease area under category G-1. This is a non working mine. The Scheme of mining expired on 31.03.2018. Thereafter, Review & update of mining plan was not submitted up to year 2021-22. Years 2018-19, 2019-20, 2020-21 & 2021-22 are lapse period due to absence of approved Review of Mining Plan. Inspection was undertaken for processing of RMP for the proposal period 2022-23.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	No proposal	Nil	This is a non working mine. The Scheme of mining expired on 31.03.2018. Thereafter, Review & update of mining plan was not submitted up to year 2021-22. Years 2018-19, 2019-20, 2020-21 & 2021-22 are lapse period due to absence of approved Review of Mining Plan. Inspection was undertaken for processing of RMP for the proposal period 2022-23.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	Nil	
2c	Stripping ratio or ore to OB ratio	No proposal	NIL	
2d	Quantity of topsoil generation in m3	No proposal	Nil	
2e	Quantity of overburden generation in m3	No proposal	Nil	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	This is a non working mine. Mine development was not reported in the mine. The Scheme of mining expired on 31.03.2018. Thereafter, Review & update of mining plan was not submitted up to year 2021-22. Years 2018-19, 2019-20, 2020-21 & 2021-22 are lapse period due to absence of approved Review of Mining Plan. Inspection was undertaken for processing of RMP for the proposal period 2022-23.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No proposal	NIL	This is a non working mine. Mine development and production was not reported in the mine.
3b	Quantity of ROM mineral production proposed	No proposal	NIL	
3c	Recovery of sailable/usable mineral from ROM production	No proposal	Nil	
3d	Quantity of mineral reject generation	No proposal	Nil	

3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	No proposal	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil	
3j	Provision of drilling and blasting in mineral benches	No proposal	Nil	
3k	Provision of mining machineries in mineral benches	No proposal	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal	Nil	
3m	Total area covered under excavation/pits	No proposal	Area under pits 5.57 Ha.	--
3n	Ore to OB ratio for the pit/mine during the year.	No proposal	NIL	

3o	Total area put in use under different heads at the end of year	No proposal	Area under pits -- 5.57 Ha. Under Dumps -- 1.46 Ha. Mineral Storage - 2.14 Ha Infrastructure - 0.04 Ha Roads - 0.9 Ha Reclaimed area-- Nil	
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 65780 Tonnes 2018-19 - NIL 2019-20 - NIL 2020-21 - NIL 2021-22 - NIL	2017-18 - 16552 Tonnes 2018-19 - NIL 2019-20 - NIL 2020-21 - NIL 2021-22 - NIL	
3q	General remarks of inspecting officers on method of mining etc.			The Scheme of mining expired on 31.03.2018. Thereon, Review & update of mining plan was not submitted

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	NIL	
4b	Location of topsoil, OB and mineral reject dumps	No proposal	NIL	
4c	Number of dumps within lease area and outside of lease area	No proposal	06 waste dumps were observed during the inspection.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Old dumps within UPL	
4e	Number of active and alive dumps.	No proposal	NIL	
4f	Number of dead dumps.	No proposal	06 old dumps	

4g	Number of dumps established.	No proposal	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	NIL	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	NIL	
4j	Number of settling ponds	No proposal	NIL	
4k	Specific comments of inspecting officer on waste dump management			This is a non working mine. 06 old dumps observed in the lease area. Mine development was not reported in the mine. The Scheme of mining expired on 31.03.2018. Thereafter, Review & update of mining plan was not submitted up to year 2021-22. Years 2018-19, 2019-20, 2020-21 & 2021-22 are lapse period due to absence of approved Review of Mining Plan. Inspection was undertaken for processing of RMP for the proposal period 2022-23.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal	Mineral was not fully extracted any part of the lease.	Mine operation was not reported in the RY.
5b	Area under backfilling of mined out area	NIL	NIL	Area not matured for backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling was not proposed in the last approved period. This is a non working mine. The Scheme of mining expired on 31.03.2018. Thereafter, Review & update of mining plan was not submitted up to year 2021-22. Years 2018-19, 2019-20, 2020-21 & 2021-22 are lapse period due to absence of approved Review of Mining Plan. Inspection was undertaken for processing of RMP for the proposal period 2022-23.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	No proposal	Not submitted	Years 2018-19, 2019-20, 2020-21 & 2021-22 are lapse period due to absence of approved Review of Mining Plan. Inspection was undertaken for processing of RMP for the proposal period 2022-23.
6b	Area available for rehabilitation (ha) .	No proposal	NIL	No area matured for rehabilitation
6c	afforestation done (ha).	No proposal	NIL	
6d	No. of saplings planted during the year	No proposal	NIL	
6e	Cumulative no .of plants	Not specified	No records	Some trees observed in the lease area which area more than 05 yr old.
6f	Any other method of rehabilitation	No proposal	Not done	
6g	Cost incurred on watch and care during the year	No proposal	NIL	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	NIL	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NO proposal	NIL	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Not done
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Not done
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposal	Yes

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Mine is non working. No any proposal for PMCP in the RY.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	NIL	Production not reported in the RY
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	NIL	
7c	Different grade of mineral sorted out at mines.	No proposal	NIL	
7d	Any beneficiation process at mines .	No proposal	NIL	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	This is a non working mine. The Scheme of mining expired on 31.03.2018. Thereafter, Review & update of mining plan was not submitted up to year 2021-22. Years 2018-19, 2019-20, 2020-21 & 2021-22 are lapse period due to absence of approved Review of Mining Plan. Inspection was undertaken for processing of RMP for the proposal period 2022-23.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Not done	
8b	Concurrent use or storage of topsoil	Not proposed	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	06 nos of old dumps observed in the lease area. In the satchk yard 15 nos of stacks were observed.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Not done	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal	No information found during the site visit.	some plants were observed in the waste land which are more than 05 yr old. No additional plantation done in the lease area.
8g	Survival rate	No proposal	No records	Non working mine
8h	Water sprinkling on roads to control airborne dust	No proposal	Not done	Non working mine. No mining operation observed in the lease area.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			some plants were observed in the waste land which are more than 05 yr old. No additional plantation done in the lease area. Non working mine. No mining operation observed in the lease area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Online Annual return submitted on 07/07/2021		

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Mining Engr - Shri S. K. Sharma Mine Geologist - Shri Komal Singh Lodhi	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	(i) Already exploited & abandoned by opencast (O/C) mining 0.000 (ii) Covered under current (O/C) Workings 10.400 (iii) Reclaimed/Rehabilitated 0.000 (iv) Used for waste disposal 0.680 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.680 (vi) Other Purpose (S.G.Dump) 0.680 (vii) Work done under progressive mine closure plan during the year 0.000	
9d	Scrutiny of Annual return on afforestation	Yes	NIL	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	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	NIL	
9h	Scrutiny of Annual return on fixed assets	Yes	NIL	Govt land. Non working mine.

9k	Scrutiny of Annual return on mining machineries	Yes	NIL
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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 :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines