

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

Mining Plan Modification REPORT

Nagpur regional office

Mine file No : MP/JHB/RPT-3/NGP

Mine code : 46MPR19002

- (i) Name of the Inspecting : **G005**) **SANJAY M. GIRHE**
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 22-MAY-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GWALI (9.12H)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : JHABUA
Village : KACHALDARA
Taluka : MEGHNAGAR
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 27-APR-99
- (h) Weekly day of rest :
2. Address for : M/S M.P. STATE MINING CORPN. LTD.,
correspondance : PARYAVAS BHAVAN, 2ND FLOOR, JAIL ROAD,
ARERA HILLS, BHOPAL.
3. (a) Lease Number : MPR2015
- (b) Lease area : 9.12
- (c) Period of lease : 20
- (d) Date of Expiry : 07-DEC-18
4. Mineral worked : PHOSPHORITE Main

5. Name and Address of the

Lessee : M/S M. P. STATE MINING CORPN. LTD.
 PARYAWAS BHAVAN, BLOCK NO.
 1, 2ND FLOOR, JAIL ROAD,
 BHOPAL (MP) BALAGHAT MADHYA
 PRADESH
 Phone:
 FAX :

Owner : M/s Madhya Pradesh State Mining Corporation Ltd.
 Paryawas Bhawan, 2nd, Floor
 (A) Jail Road, Arera Hills,
 Bhopal (MP) BHOPAL MADHYA
 PRADESH
 Phone: 0775- 763391-93
 FAX : 0775-763394

Agent : Shri A.P.Sahu
 Paryavas Bhavan, 2nd
 Floor,Block 1,Jail
 Road,Arera Hills,Bhopal
 BHOPAL MADHYA PRADESH
 Phone: 0755- 763391,92
 FAX : 0755- 763394

Mining Engineer
 Name : Shri P.S.Yadav,Full Time
 Qualification : B.E.Mining
 Appointment/ : 01-JAN-74
 Termination date

Manager
 Name : SHRI P.S. YADAV
 Qualification : B.E. MINING
 Appointment/ :
 Termination date

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 25-MAR-04
 Plan/Scheme of Mining : Mining Scheme rule 12 MCDR1988 13-JUN-13

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposals	Nil	Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval. Year 2018-19 to 2021-22 was lapsed period without having any approved document.
1b	Exploration over lease area for geological axis 1 or 2	No Proposals	Nil	Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval. Year 2018-19 to 2021-22 was lapsed period without having any approved document.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposals	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposals	Nil. Area under G level- 0.67Ha, Unexplored area- 7.04Ha & Non mineralised area-1.48Ha	Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval. Year 2018-19 to 2021-22 was lapsed period without having any approved document.

1e	Balance reserve as on 01/04/20	Reserves in Tonnes Probable (121) -701996 Resources in tonnes Pre-Feasibility(21): 1071740 As per approved Scheme of Mining dtd 06.05.2016	Reserves in Tonnes Probable (122) -147084 Resources in tonnes Pre-Feasibility(222): 283340 As per approved Modification in approved Mining Plan dtd 05.07.22	Resources & reserves reassessment were done as per the provisions of MEMC Rules,2015 during approval of Modifcation in approved Mining Plan.
1f	General remarks of inspecting officers on geology, exploration etc	No Proposals	Nil	Elongated pits exists in the lease area from north to south. Previously exploration was carried out by GSI in the area & further detailed exploration is required for re-estimation of R&R as per MEMC Rules,2015. Phosphorite body in the area is about 700mts length & avg. width of about 30mts.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No Proposals	Nil	Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval. Year 2018-19 to 2021-22 was lapsed period without having any approved document.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Proposals	Nil	Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval. Year 2018-19 to 2021-22 was lapsed period without having any approved document.
2c	Stripping ratio or ore to OB ratio	No Proposals	Nil	Nil
2d	Quantity of topsoil generation in m3	No Proposals	Nil	Mine is non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
2e	Quantity of overburden generation in m3	No Proposals	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No Proposals	Nil	Mine is non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

3a	Number of pit proposed for production	No Proposal	Nil	Mine is non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
3b	Quantity of ROM mineral production proposed	No Proposals	Nil	Mine is non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
3c	Recovery of sailable/usable mineral from ROM production	No Proposals	Nil	Nil
3d	Quantity of mineral reject generation	No Proposals	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No Proposals	Nil	Mine is non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
3f	Quantity of sub grade mineral generation.	No Proposals	Nil	Nil
3g	Grade of sub grade mineral generation	No Proposals	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposals	Nil	Nil

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposals	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	No Proposals	Nil	Nil
3k	Provision of mining machineries in mineral benches	No Proposals	Nil	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No Proposals	Nil. Small size old working pits were observed.	Mine is non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
3m	Total area covered under excavation/pits	No Proposals	1.76 Ha under excavated pits	Mine is non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
3n	Ore to OB ratio for the pit/mine during the year.	No Proposals	Nil	Nil
3o	Total area put in use under different heads at the end of year	Pit-1.76Ha, OB dumps-0.09Ha, Road-0.55Ha, Green Belt-0.10Ha As approved Scheme of Mining dtd 06.05.2016	Pit-1.16Ha, OB dumps-0.69Ha, Road-0.55Ha, Green Belt-0.10Ha As approved ROMP dtd 05.07.2022	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.

3p	Production of ROM mineral during the last five year period as applicable	22017-18-: 40300.00 MT 2018-19-: 40690.00 MT 2019-20-: Not Proposed 2020-21-: Not Proposed 2021-22-: Not Proposed	2017-18-: 40300.00 MT 2018-19-: 40690.00 MT 2019-20-: Not Proposed 2020-21-: Not Proposed 2021-22-: Not Proposed	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
3q	General remarks of inspecting officers on method of mining etc.	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
4b	Location of topsoil, OB and mineral reject dumps	No proposals	Three numbers of OB dumps observed near pit-3	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
4c	Number of dumps within lease area and outside of lease area	No Proposals	Three numbers of OB dumps observed near pit-3	Nil

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposals	Three numbers of OB dumps observed near pit-3	Nil
4e	Number of active and alive dumps.	No Proposals	Three numbers of OB dumps observed near pit-3	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
4f	Number of dead dumps.	No Proposals	Nil	Three numbers of OB dumps noticed within ML area
4g	Number of dumps established.	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
4h	Whether Retaining wall or garland drain all along dumps are there.	No Proposals	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	No Proposals	Nil	Nil
4j	Number of settling ponds	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.

4k	Specific comments of inspecting officer on waste dump management	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
----	--	--------------	-----	---

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposals	Mine was non-operational since long back & ore exhausted area not matured so far for backfilling	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
5b	Area under backfilling of mined out area	No Proposals	Nil. No area is under backfilled observed.	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Proposals	Nil	Nil

5d	Total area fully reclaimed and rehabilitated	No Proposals	None of the area fully reclaimed & rehabilitated	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.

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).	To be submitted before 1st July of every year	Not submitted	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
6b	Area available for rehabilitation (ha) .	No Proposals	Nil	Nil
6c	afforestation done (ha).	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.

6d	No. of saplings planted during the year	No Proposals	Nil	Nil
6e	Cumulative no .of plants	No Proposals	Nil	No details available
6f	Any other method of rehabilitation	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
6g	Cost incurred on watch and care during the year	No Proposals	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No Proposals	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No Proposals	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No Proposals	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No Proposals	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No Proposals	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No Proposals	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
6p	Compliance of environmental monitoring (core zone and buffer zone)	No Proposals	Nil	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Proposals	Nil	Nil
7c	Different grade of mineral sorted out at mines.	No Proposals	Nil	Nil
7d	Any beneficiation process at mines .	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

8a	Separate removal and utilization of topsoil (Rule 32)	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
8b	Concurrent use or storage of topsoil	No Proposals	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposals	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposals	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
8g	Survival rate	No Proposals	Nil	Nil

8h	Water sprinkling on roads to control airborne dust	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No Proposals	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. submitted upto- April- 2022 A.R. submitted for the year 2021-22	Annual Return for the year 2021-22 submitted within time limit.	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Shri Sushil Charpe, Mining Engineer & Shri Sushant Nikam, Geologist were appointed & were present during mine inspection	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Working pits-1.76Ha, OB dumps-0.090Ha, Infrastructure-0.55Ha, Other-0.10Ha Details as per Annual Return for the year 2021-22	Nil
9d	Scrutiny of Annual return on afforestation	Given	25 Nos saplings planted within ML area	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not Given	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not Given		Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not Given	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
9h	Scrutiny of Annual return on fixed assets	Not Given	Nil	Nil

9k	Scrutiny of Annual return on mining machineries	Not Given	Nil	Mine was non operational since 2014 onwards and Previous Scheme of Mining was approved on 06.05.2016 for the period 2015-16 to 2017-18 and after that no further document submitted for approval.
----	---	-----------	-----	---

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 :

(SANJAY M. GIRHE)

Indian Bureau of Mines