

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

Mining Plan Modification REPORT

Jabalpur regional office

Mine file No : MP/SATNA/LST-284

Mine code : 38MPR35141

- (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 : 16-JUL-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHATOORA (6.104 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : SATNA
Village : BHATOORA
Taluka : MAIHAR
Post office : BHATOORA
Pin Code :
FAX No. : N. A.
E-mail : N. A.
Phone : N. A.
- (f) Police Station : BADERA
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : SHRI SHYAM LAL SHARMA
correspondance : VILLAGE-BHATOORA, DIST -SATNA, M..P.,
3. (a) Lease Number : MPR0456
(b) Lease area : 6.1
(c) Period of lease : 20
(d) Date of Expiry : 30-OCT-01
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SHYAM LAL SHARMA
 GALLA NANDI (M.P.)
 CHHATARPUR MADHYA PRADESH
 Phone:N. A.
 FAX :N. A.

Owner : SHYAM LAL SHARMA
 GALLA MANDI CHHATARPUR
 MADHYA PRADESH
 Phone: N. A.
 FAX : N. A.

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	02-JAN-03
Plan/Scheme of Mining		Modif.of approved Mining Plan	01-SEP-05
		Mining Scheme rule 12 MCDR1988	27-APR-07
		Mining Scheme rule 12 MCDR1988	08-MAY-13

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposals	Nil	Year 2016-17 to 2020-21 lapse period as no further ROMP was submitted
1b	Exploration over lease area for geological axis 1 or 2	Not Proposed	No exploration carried during the year 2020-21	Year 2016-17 to 2020-21 lapse period as no further ROMP was submitted
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Exploration was not proposed during the year 2020-21	Not Done	Year 2016-17 to 2020-21 lapse period as no further ROMP was submitted
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposals	Area explored under G2 level about 4.94 Ha & G3 level of 1.16 Ha by way of working pits in the past	No detailed exploration carried out in the lease area by lease holder
1e	Balance reserve as on 01/04/20	Reserves/Resources in Tonnes Probable Reserves (122) -128697 Pre-feasibility Resources (22): 1985124 Inferred Resources (333): 821907 The balance reserves as on 1/4/2021.	Reserves/Resources in Tonnes Probable Reserves (122) -128697 Pre-feasibility Resources (22): 1985124 Inferred Resources (333): 821907 Reserves position as approved Modified MP dtd 13/08/2021	Reserves & resources have re-estimated/calculated as per MEMC Rules, 2015 norms.
1f	General remarks of inspecting officers on geology, exploration etc	NA	NA	Most of the lease area is explored by way of working pits only up to 55m depth. In past no systematic exploration was carried out by the lease holder.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No Proposals during the year 2020-21	Nil	Year 2016-17 to 2020-21 lapse period as no further ROMP was submitted
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Proposals	No Proposals during the year 2020-21	
2c	Stripping ratio or ore to OB ratio	Not Proposed	Nil	Year 2016-17 to 2020-21 lapse period as no further ROMP was submitted
2d	Quantity of topsoil generation in m3	Not Proposed	Nil	
2e	Quantity of overburden generation in m3	Not Proposed	Nil	Year 2016-17 to 2020-21 lapse period as no further ROMP was submitted
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	NA	Year 2016-17 to 2020-21 lapse period as no further ROMP was submitted. There are two working pits & its dimensions are Pit-A-: 200m x 120-150m x 1-55m & Pit-B-: 55m x 20m x 1-4m

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Not Proposed	Nil	Year 2016-17 to 2020-21 lapse period as no further ROMP was submitted

3b	Quantity of ROM mineral production proposed	Not Proposed	Nil	Mine was temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period.
3c	Recovery of sailable/usable mineral from ROM production	Not Proposed	Nil	
3d	Quantity of mineral reject generation	Not Proposed	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not Proposed	Nil	Mine was temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period.
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	Not Proposed	Nil	
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	Not Proposed	Nil	

3k	Provision of mining machineries in mineral benches	Not Proposed	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not Proposed	Nil	
3m	Total area covered under excavation/pits	Presently 2.66 Ha covered under working pits	Presently 2.66 Ha covered under working pits	Mine was temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period.
3n	Ore to OB ratio for the pit/mine during the year.	Not Proposed	Nil	
3o	Total area put in use under different heads at the end of year	Not Proposed	Area under working pits -: 2.66 Ha Waste Dumps-: 2.07Ha Mineral Stacks-: 0.67Ha Roads-0.036Ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17-: No ROM excavation proposed 2017-18-: No ROM excavation proposed 2018-19-: No ROM excavation proposed 2019-20-: No ROM excavation proposed 2020-21-: No ROM excavation proposed	2016-17-: Nil 2017-18-: Nil 2018-19-: Nil 2019-20-: Nil 2020-21-: Nil	Mine was temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period.

3q	General remarks of inspecting officers on method of mining etc.	NA	NA	Open cast fully mechanised working was carried out in the past by using Excavator & dumper combination with deep drilling & blasting. Two big size centralised working pits were developed & mineralisation proved up to depth of 55mts.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not Proposed	Nil	Mine was temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period.
4b	Location of topsoil, OB and mineral reject dumps	Not Proposed	No top soil dumps in ML area. Total 02 numbers of OB dumps are existing in ML area	OB dumps D-1 (100m x 20m x 04m) & D-2 (170m x 10m x 15-20m) of dimensions
4c	Number of dumps within lease area and outside of lease area	Not Proposed	No top soil dumps in ML area. Total 02 numbers of OB dumps are existing in ML area	OB dumps D-1 (100m x 20m x 04m) & D-2 (170m x 10m x 15-20m) of dimensions
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	Existing dumps are outside ULP	Mine is non working since long back
4e	Number of active and alive dumps.	Not Proposed	02 active dumps are located in ML area	Mine is non working since long back

4f	Number of dead dumps.	No dead dumps in ML area	No dead dumps in ML area	Mine was temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period.
4g	Number of dumps established.	Not Proposed	No dumps have been stabilised so far	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Proposed	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Not Proposed	Nil	
4j	Number of settling ponds	Not Proposed	No settling ponds observed	
4k	Specific comments of inspecting officer on waste dump management	NA	NA	OB in the area is in the form of siliceous material as intercalated material. Tow (02) OB dumps area located towards south-western part of ML area.

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.	Not proposed	None of pits have been fully mineral exhausted for backfilling purpose	Mine was temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period.

5b	Area under backfilling of mined out area	Not Proposed	No area have backfilled so far in ML area	Limestone not exhausted in any pits
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed	Nil	None of the pits have been fully limestone exhausted
5d	Total area fully reclaimed and rehabilitated	Not Proposed	None of the pits area fully reclaimed & rehablited	None of the pits have been fully limestone exhausted
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	NA	Mine was temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period. Presently scope of backfilling & reclamation doesnot exists.

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 temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period.
6b	Area available for rehabilitation (ha) .	Not Proposed	Nil	

6c	afforestation done (ha).	Not Proposed	Not done	Mine was temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period. Presently scope of backfilling & reclamation doesnot exists.
6d	No. of saplings planted during the year	Not Proposed	Nil	
6e	Cumulative no .of plants	Not Proposed	No details provided in approved document	
6f	Any other method of rehabilitation	Not Proposed	Nil	
6g	Cost incurred on watch and care during the year	Not Proposed	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not Proposed	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Proposed	Nil	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not Proposed	Nil	Mine was temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period. Presently scope of backfilling & reclamation doesnot exists.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Proposed	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not Proposed	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not Proposed	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Proposed	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Proposed	Nil	

6p	Compliance of environmental monitoring (core zone and buffer zone)	Not Proposed	Not done	Mine was temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period. Presently scope of backfilling & reclamation doesnot exists.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	NA	Mine is non working sicne long back, hence scope of PMCP not existed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not Proposed	No ROM mineral dispatched	Mine was temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period. Presently scope of backfilling & reclamation doesnot exists.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Propsoed	Nil	
7c	Different grade of mineral sorted out at mines.	Not Proposed	Nil	

7d	Any beneficiation process at mines .	Not Proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	NA	Mine was temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period. Presently scope of backfilling & reclamation doesnot exists.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	Nil	
8b	Concurrent use or storage of topsoil	Not Proposed	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Proposed	Not done	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Nil	Mine was temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period. Presently scope of backfilling & reclamation doesnot exists.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not Proposed	Not done	
8g	Survival rate	Not Proposed	Nil	
8h	Water sprinkling on roads to control airborne dust	Not Proposed	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	NA	Mine was temporarily discontinued since 06.07.2011 for the want of EC. Year 2016-17 to 2020-21 lapse period as no ROMP was submitted during this period. Presently scope of backfilling & reclamation doesnot exists.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR not submitted for the year 2020-21	Mine was temporarily discontinued since 06.07.2011 for the want of EC.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	AR not submitted for the year 2020-21	Nil	Mine was temporarily discontinued since 06.07.2011 for the want of EC.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR not submitted for the year 2020-21	Nil	Mine was temporarily discontinued since 06.07.2011 for the want of EC.
9d	Scrutiny of Annual return on afforestation	AR not submitted for the year 2020-21	Nil	Mine was temporarily discontinued since 06.07.2011 for the want of EC.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	AR not submitted for the year 2020-21	Nil	Mine was temporarily discontinued since 06.07.2011 for the want of EC.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	AR not submitted for the year 2020-21	Nil	Mine was temporarily discontinued since 06.07.2011 for the want of EC.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	AR not submitted for the year 2020-21	Nil	Mine was temporarily discontinued since 06.07.2011 for the want of EC.
9h	Scrutiny of Annual return on fixed assets	AR not submitted for the year 2020-21	Nil	Mine was temporarily discontinued since 06.07.2011 for the want of EC.
9k	Scrutiny of Annual return on mining machineries	AR not submitted for the year 2020-21	Nil	Mine was temporarily discontinued since 06.07.2011 for the want of EC.

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 :

(SANJAY M. GIRHE)

Indian Bureau of Mines