

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

**Review and updation of Mining Plan REPORT**

**Jabalpur regional office**

**Mine file No :** MP/BGT./MN.25

**Mine code :** 40MPR01082

- (i) Name of the Inspecting : **K006** ) **NARESH KUMAR KATARIYA**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh. Nagendra Pathak (Mine Manager) and other staff  
Official with  
Designation
- (iv) Date of Inspection : 05-MAY-22
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PAUNIYA MN. 8.00 HA.**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : BALAGHAT  
Village : PAUNIYA  
Taluka : TIRODI  
Post office : PAUNIYA  
Pin Code : 481449  
FAX No. : 07622-404937  
E-mail : spgkatni@gmail.com  
Phone : 07622-404937, 9425157590, !
- (f) Police Station : TRIRODI
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for :  
correspondance
3. (a) Lease Number :  
(b) Lease area :  
(c) Period of lease :  
(d) Date of Expiry :
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : SUKHDEO PRASAD GOENKA  
GOENKA BHAWAN STATION ROAD  
KATNI MADHYA PRADESH  
Phone:N. A.  
FAX :N. A.

Owner : SUKHDEO PRASAD GOENKA  
GOENKA BHAWAN STATION ROAD  
KATNI MADHYA PRADESH  
Phone: N. A.  
FAX : N. A.

6. Date of approval of Mining :  
Plan/Scheme of Mining

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Exploration was proposed by core drilling of 04 nos Bore holes (02 vertical & 02 inclined)	13 No's of bore holes have been drilled as per submitted records.	
1b	Exploration over lease area for geological axis 1 or 2	Not proposed	Exploration done in G1 catagory.	Mine operation is suspended in the year 2021-22 due to want of approved document. The document was approved up to 31.03.2021.
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	Exploration has been done under G-1 catagory as per submitted records.	
1e	Balance reserve as on 01/04/20		Balance reserve as on 01/04/2022 is under 111-60376.05 Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			As per local geology, the deposit is bedded stratified tabular deposit of irregular habit with pocket type deposit. Manganese ore horizon mainly comprising of bands of manganese ore with Manganiferous quartzite are generally overlain by phyllite of mansar formation.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	No proposal	Not done as per available records	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	Separate benches of topsoil, OB and mineral stacks observed during the inspection.	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document
2c	Stripping ratio or ore to OB ratio	No proposal	NIL	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document
2d	Quantity of topsoil generation in m3	No proposal	NIL	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document
2e	Quantity of overburden generation in m3	No proposal	NIL	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document.

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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No proposal	Production not reported in the year 2021-22	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document

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3b	Quantity of ROM mineral production proposed	No proposal	NIL	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document
3c	Recovery of sailable/usable mineral from ROM production	No proposal	NIL	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document
3d	Quantity of mineral reject generation	No proposal	NA	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	NA	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	NA	
3j	Provision of drilling and blasting in mineral benches	No proposal	No drilling & blasting reported in the RY	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document

3k	Provision of mining machineries in mineral benches	No proposal	Use of Mining Machinery not reported	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal	Height of the benches in OB and ore found suitable by and large. The working has extended within 7.5m statutory barrier zone between BP no. 07 and 09.	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document. Backfilling proposal has been incorporated within 7.5 m barrier zone with proper benching within first proposal year 2022-23. violation was pointed out during the last inspection dated 09/06/21.
3m	Total area covered under excavation/pits	5.099 Hect (as 3.92 Hect per previous approved document)		No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document
3n	Ore to OB ratio for the pit/mine during the year.	NIL	NIL	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document
3o	Total area put in use under different heads at the end of year	NO PROPOSAL	Mining - 2.286 Hect Mineral Storage - .099 Hect Roads - 0.1 Hect Infrastructure - 0.05 Hect OB/ Waste Dump - 1.545 Other - 0.14 (Bund in Road side)	

3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 1215 T 2018-19 - 1620 T 2019-20 - 1620 T 2020-21 - 2430 T 2021-22 - NIL (LAPSE YEAR)	2017-18 - 0 T 2018-19 - 1605 T 2019-20 - 1630 T 2020-21 - 2714 T 2021-22 - NIL (LAPSE YEAR)
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3q	General remarks of inspecting officers on method of mining etc.	Opencast mining method was proposed under B category in the previous approved document. Current document is approved as Category A mine. Excavation was observed within the 7.5m barrier zone in the southern part of the mine. Violation pointed out for the same based on previous inspection dated 09/06/2021.
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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)	No proposal	Separate dumping observed during the inspection.	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document
4b	Location of topsoil, OB and mineral reject dumps	No proposal	OB dump was observed in West side the lease area near road for bunding. Old dumps observed in Eartern part of lease area.	

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4c	Number of dumps within lease area and outside of lease area	No proposal	Total 07 dumps were observed during the inspection. 06 dumps are within the lease area and one dump is observed outside the lease area in the additional granted land by State Govt.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal in the RY	Temporary dump within the UPL	
4e	Number of active and alive dumps.	No proposal	07 dumps were observed	One dump is observed out side the lease area in the Govt land. The State Govt. has allotted the land with lease area for allied activities as per submitted records.
4f	Number of dead dumps.	No proposal	NIL	
4g	Number of dumps established.	No proposal	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Garland drain observed during the inspection	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Approx. 600 m graland drain was observed	
4j	Number of settling ponds	No proposal	NIL	

4k	Specific comments of inspecting officer on waste dump management	06 dumps observed in the lease area and one dump is out side the lease area in the additional granted area by State Govt. Garland drain observed around two dumps near road side. All the dumps are temporary nature as per approved document.
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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 proposal	Extraction of mineral was not done in the RY as per records.	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document.
5b	Area under backfilling of mined out area	No proposal	NIL	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	NIL	
5d	Total area fully reclaimed and rehabilitated	No proposal	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document.

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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).	No proposal	Not submitted.	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	Area not matured for backfilling.
6c	afforestation done (ha).	No proposal	NIL	
6d	No. of saplings planted during the year	No proposal	NIL	
6e	Cumulative no .of plants	No proposal	No record found	
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	Area not matured for backfilling.
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)Afforestati on 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	NIL	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No Proposal	NIL	
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	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposal	Records of environment monitoring found.	Analysis was found in order. Mine operation was suspended during the inspection.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document.

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**Mineral Conservation:**


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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	NIL as per records	No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	NA	
7c	Different grade of mineral sorted out at mines.	No proposal	NIL	
7d	Any beneficiation process at mines .	No proposal	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document.

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal in RY	Soil dump observed during the inspection.	
8b	Concurrent use or storage of topsoil	No proposal	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	07 dumps observed	

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8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal	No record found	
8g	Survival rate	No proposal	NA	
8h	Water sprinkling on roads to control airborne dust	No proposal	No mining operation during the inspection.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			No mining operation proposal in the year 2021-22 (Lapse year ) due to want of approved document. The plants/saplings planted during the previous approved period were observed in and around the lease area.

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Yes	Monthly Returns submitted with NIL information and Annual Returns submitted for the year 2021-22 on 27-06-2022.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Mining Engineer - Mr. Nagendra Pathak Geologist - Mr. Vinod Kushwaha	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Already exploited & abandoned by opencast (O/C) mining 0.000 (ii) Covered under current (O/C) Workings 2.397 (iii) Reclaimed/Rehabilitated 0.000 (iv) Used for waste disposal 3.090 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.300 (vi) Other Purpose (0) 0.000 (vii) Work done under progressive mine closure plan during the year 0.000	
9d	Scrutiny of Annual return on afforestation	NIL	NIL	
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	ROM stock as per submitted AR is: Below 25% Mn 1.59 tons 25% to below 35% Mn 5.85 tons 35% to below 46% Mn 19.14 tons	The stocks were observed during the inspection.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	YES	NIL	Production & Dispatch is reported as NIL
9h	Scrutiny of Annual return on fixed assets	YES	13.5 Lakhs	
9k	Scrutiny of Annual return on mining machineries	NIL	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