

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/GWL/IORE-3

**Mine code :** 30MPR15002

- (i) Name of the Inspecting Officer and ID No. : **NQ07** ) **PUKHRAJ NENIVAL**
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine Official with Designation : MR MAHIPAL SOLANKY, GEOLOGIST, MR RAJENDRA SINGH LAHA
- (iv) Date of Inspection : 27-DEC-21
- (v) Prev.inspection date : 17-DEC-15

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PANIHAR**
- (b) **Registration NO.** : **IBM/6663/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : GWALIOR  
Village : PANIHAR  
Taluka : GWALIOR  
Post office : GWALIOR  
Pin Code : 474009  
FAX No. : 07514087664  
E-mail : lahariyaemerald@gmail.com  
Phone : 07514010787
- (f) Police Station : PANIHAR
- (g) First opening date : 05-MAY-84
- (h) Weekly day of rest :
2. Address for correspondence : KUNWARANI AYODHYA SINGH  
6, USHA COLONY, GWALIOR (M.P.) 474009
3. (a) Lease Number : MPR0554
- (b) Lease area : 14.7
- (c) Period of lease : 20
- (d) Date of Expiry : 05-OCT-22
4. Mineral worked : IRON ORE Main

## 5. Name and Address of the

Lessee : KUNWARANI AYODHYA SINGH  
 6, USHA COLONY LASHKAR  
 GWALIOR MADHYA PRADESH  
 Phone: N. A.  
 FAX : N. A.

Owner : KUNWARANI AYODHYA SINGH  
 6, USHA COLONY LASHKAR  
 GWALIOR MADHYA PRADESH  
 Phone: 323013  
 FAX : N. A.

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	05-OCT-99
Plan/Scheme of Mining		Renewal under rule 24 MCR1960	23-AUG-04
		Mining Scheme rule 12 MCDR1988	28-JUL-09
		Modif.of approved Mining Plan	31-JUL-12
		Mining Scheme rule 12 MCDR1988	31-JUL-12
		MP review under 17(1) MCR 2016	30-NOV-17

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	7 Boreholes	3 Boreholes	
1b	Exploration over lease area for geological axis 1 or 2	7 Boreholes	3 Boreholes	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	7 Boreholes	Om Tiger Research Center, 257683 Rs	
1d	Balance area to be explored to bring Geological axis in 1 or 2	7 Boreholes	4 ha	
1e	Balance reserve as on 01/04/20		Reserve - 4.055 mt	
1f	General remarks of inspecting officers on geology, exploration etc			7 Boreholes proposed for exploration.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	B-3 24850 m2 B-4 21300 m2	B-3 24850 m2 B-4 21300 m2	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Separate benches prepared in the pit	
2c	Stripping ratio or ore to OB ratio	1:02	1:02	
2d	Quantity of topsoil generation in m3	Nil	Not applicable	

2e	Quantity of overburden generation in m3	20235 m3	40,000 m3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Bench parameters are not maintained as per proposal. Violation for same pointed out.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit ( 470x60x15-25m)	
3b	Quantity of ROM mineral production proposed	226632 tons	303850 tons	Violation pointed out.
3c	Recovery of sailable/usable mineral from ROM production	80%	100%	
3d	Quantity of mineral reject generation	20235 m3	40,000 m3	
3e	Grade of mineral rejects generation and threshold value declared.	Below 40% Iron	Below 10 to 40% Iron	
3f	Quantity of sub grade mineral generation.	Nil	67750 ton	
3g	Grade of sub grade mineral generation	Nil	40 to 45% Iron	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method proposed	Mechanised method adopted	

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not applicable	
3j	Provision of drilling and blasting in mineral benches	There is no proposal for Blasting	As per proposal	
3k	Provision of mining machineries in mineral benches	Yes	Mine Machinery on contract basis	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed 3 mtrs max	High wall created	Violation pointed out.
3m	Total area covered under excavation/pits	B-3 24850 m2 B-4 21300 m2	B-3 24850 m2 B-4 21300 m2	
3n	Ore to OB ratio for the pit/mine during the year.	1:02	1:0.3	
3o	Total area put in use under different heads at the end of year	10.608 Hectare	8.5 Hectare	
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 256592 2018-19 - 184688 2019-20 - 262416 2020-21 - 226632	2017-18 - 19300 2018-19 - 60500 2019-20 - 65000 2020-21 - 303850	Excess production observed during the year 2020-21, Violation has been pointed out.
3q	General remarks of inspecting officers on method of mining etc.			Excess production observed during the year 2020-21, Violation has been pointed out.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping for Top soil, OB and reject proposed	As per Proposal	
4b	Location of topsoil, OB and mineral reject dumps	Within the lease area	Within the lease area	
4c	Number of dumps within lease area and outside of lease area	02 Dump within the lease area	1 dump within lease area and 1 dump outside	Crushing unit, OB Dump & part of mineral stock have been found outside the lease area. Violation pointed out.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the upl	Inside the upl	Crushing unit, OB Dump & part of mineral stock have been found outside the lease area. Violation pointed out.
4e	Number of active and alive dumps.	01 dump	02 dump	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
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	One	One	
4k	Specific comments of inspecting officer on waste dump management			Crushing unit, OB Dump & part of mineral stock have been found outside the lease area. Violation pointed out.

## 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	Nill	
5b	Area under backfilling of mined out area	Not Proposed	Nill	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed	Nill	
5d	Total area fully reclaimed and rehabilitated	Not Proposed	Nill	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The generatyed top soil during mining operation was proposed to utilised in plantation.

## 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	Not Submitted	Violation pointed out
6b	Area available for rehabilitation (ha) .	Nill	Nil	
6c	afforestation done (ha) .	0.018	0.018	
6d	No. of saplings planted during the year	20	Within lease area -120 trees Outside lease area - 70 trees	

6e	Cumulative no .of plants	80	300
6f	Any other method of rehabilitation	Not proposed	Not applicable
6g	Cost incurred on watch and care during the year	Not proposed	70,000 Rs
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)Afforestati on on backfilled area	Not Proposed	Nil
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		Within lease area -120 trees Outside lease area - 70 trees

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	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)	Proposed	Found in order	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			since yearly report has not been submitted most of the information is nil. Violation pointed out.

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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 done	Material is sold to the cement plant	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical method proposed	mechanical method adopted	
7c	Different grade of mineral sorted out at mines.	Nil	As per the requirement of the buyers	
7d	Any beneficiation process at mines	Nil	Screening plant is outside the lease	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Violation for rule 11(1) has been pointed out.
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**Environment:**


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Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	Small quantity of soil generated it will used in plantation	
8b	Concurrent use or storage of topsoil	Not Proposed	Small quantity of soil generated it will used in plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	As per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Used in backfilling and repairing of mine road	As per proposal	
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)	Proposed	Within lease area -120 trees Outside lease area - 70 trees	

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8g	Survival rate		Within lease area -60 % Outside lease area - 80 %	
8h	Water sprinkling on roads to control airborne dust	Regular spraying of water on road	Done as per proposal	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The mine is taking well take care of the enviroment

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		MR submitted upto Nov 2021 AR submitted upto 2020-21	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Shri Qazi Imtiyaz Ahmad - Mining Engineer Shri Mahipal Singh Solanki - Geologist	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		1. Covered under current (O/C) Workings - 8.195 ha 2. Reclaimed/Rehabilitated - 1.900 ha 3. Used for waste disposal- 0.300 ha 4. Occupied by plant, buildings, residential, welfare buildings & roads - 0.500 ha 5. Work done under progressive mine closure plan during the year - 10.895 ha	

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9d	Scrutiny of Annual return on afforestation		Within lease area -120 trees/ Within lease area -60 % Outside lease area - 70 trees/Outside lease area - 80 %	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		Found in order	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	226632 tons	303850 tons	violation is pointed out
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	not correct	Violation is pointed out
9h	Scrutiny of Annual return on fixed assets		Value of Fixed Assets (in Rs) - 82049919/-	
9k	Scrutiny of Annual return on mining machineries		CRUSHER 250.000 T/H -1 nos DUMPER 8.000 TONNE - 24 nos JEEP/TRACTOR 50.000 HP - 2 nos GENERATOR (DIESEL) 380.000 KWH - 1 nos WATER TANKER 2000.000 LITRE -1 nos PUMPS (ELEC.) 150 L/MN - 1 nos	

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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
MCDR17	Rule 31(1)	06-JAN-22			
MCDR17	Rule 45(7) (a)	06-JAN-22			
MCDR17	Rule 11(1)	06-JAN-22			
MCDR17	Rule 11(4)	06-JAN-22			
MCDR17	Rule 26(2)	06-JAN-22			
MCDR17	Rule 27(1)	06-JAN-22			

**Date :**

**(PUKHRAJ NENIVAL)**

Indian Bureau of Mines