

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

**Review and updation of Mining Plan REPORT**

**Jabalpur regional office**

**Mine file No :** MP/JBP/IRON ORE-20

**Mine code :** 30MPR18022

- (i) Name of the Inspecting : **SQ23** ) **SANDEEP KUMAR SINGH**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 10-MAY-21
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **GHUGHARIKALA**
- (b) **Registration NO.** : **IBM/766/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : JABALPUR  
Village :  
Taluka : SIHORA  
Post office : TIKARIYA  
Pin Code : 483334  
FAX No. :  
E-mail :  
Phone : 07632-403495
- (f) Police Station :
- (g) First opening date : 08-JUN-18
- (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 : IRON ORE Main

## 5. Name and Address of the

Lessee : ANAND MINING CORPN. LTD.  
PATHAK WARD KATNI MADHYA  
PRADESH  
Phone:N. A.  
FAX :N. A.

Owner : ANAND MINING CORPN. LTD.  
PATHAK WARD KATNI MADHYA  
PRADESH  
Phone: N. A.  
FAX : N. A.

Agent : HARSH KAPOOR  
PATHAK WARD KATNI  
JABALPUR MADHYA PRADESH  
Phone:  
FAX :

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	-	-	
1b	Exploration over lease area for geological axis 1 or 2	na	na	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	na	na	
1d	Balance area to be explored to bring Geological axis in 1 or 2	All in G2	All in G2	
1e	Balance reserve as on 01/04/20		629881t-fines-122, 222-187434	
1f	General remarks of inspecting officers on geology, exploration etc			The iron ore belongs to lora group.the rocks constitute of quartzite and micacerion ore intercalatated with bands of sahle.ore occurs as banded haematite quartzite hydrated ore and bacciaded ore.area is into two blocks ,north and south block.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit 1/south block	Deviation observed,working done in both blocks	Violation pointed out

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Very less OB thickness, no separate bench for soil and waste	NA	
2c	Stripping ratio or ore to OB ratio	1:.05	1:.07	
2d	Quantity of topsoil generation in m3	nil	nil	
2e	Quantity of overburden generation in m3	9092.5m3	3707.5	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mechanized mining is done using shovel tipper etc.waste soil is scrapped and removed.mining is done in benches upto 5mtr. The development in the area was proposed in south block but due to inferior grade found, the working was also carried in north block

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	02	Deviation /violation issued
3b	Quantity of ROM mineral production proposed	54094t	54266t	
3c	Recovery of sailable/usable mineral from ROM production	rom	rom	

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3d	Quantity of mineral reject generation	nil	nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	NIL
3f	Quantity of sub grade mineral generation.	No proposal	
3g	Grade of sub grade mineral generation	No proposal	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	
3j	Provision of drilling and blasting in mineral benches	No proposal	
3k	Provision of mining machineries in mineral benches	Proposed	provided
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	suitable	suitable
3m	Total area covered under excavation/pits	2.31	1.275
3n	Ore to OB ratio for the pit/mine during the year.	1: .05	1: .09

3o	Total area put in use under different heads at the end of year	3.87 hect	2.05	
3p	Production of ROM mineral during the last five year period as applicable		16-17 16416 17-18 178510 18-19 115965 19-20 126009 98661 20-21 54094.5 54266	
3q	General remarks of inspecting officers on method of mining etc.			Mechanized mining is done by bench formation using hydraulic shovel, tipper, dozer etc.

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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)	OB waste	Done for ob waste	
4b	Location of topsoil, OB and mineral reject dumps	Barrier/dumps	Used in barrier for bund.	
4c	Number of dumps within lease area and outside of lease area	one	nil	Delay in mining
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	temporaray	na	
4e	Number of active and alive dumps.	01	ONE	Material used for bund.
4f	Number of dead dumps.	nil	nil	
4g	Number of dumps established.	One	none	

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4h	Whether Retaining wall or garland drain all along dumps are there.	PROPOSED	DUMP	
4i	Length of Retaining wall or garland drain all along dumps	np	na	
4j	Number of settling ponds	01	na	
4k	Specific comments of inspecting officer on waste dump management			The waste generated is used in bunds made around mines in barrier zone as per previous proposal.

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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.	Not proposed	Not applicable	
5b	Area under backfilling of mined out area	Not proposed	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	Not applicable	
5d	Total area fully reclaimed and rehabilitated	Not proposed	Not applicable	No backfilling planned

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).		Submitted.
6b	Area available for rehabilitation (ha) .	NP	
6c	afforestation done (ha).	NP	
6d	No. of saplings planted during the year	NP	
6e	Cumulative no .of plants	No proposal for mined out benches	
6f	Any other method of rehabilitation	No proposal for mined out benches	
6g	Cost incurred on watch and care during the year	No proposal for mined out benches	nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal for backfilling	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal for backfilling	nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal for backfilling	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal for backfilling			
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal for backfilling			
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	200.10	279.10		Green belt
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	200.10	279.10		Green belt
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	200.10	279.10		Green belt
6p	Compliance of environmental monitoring (core zone and buffer zone)	yes	done		
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.				It is new mines. plantataion in barrier zone is done

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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	ROM	ROM	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	na	
7c	Different grade of mineral sorted out at mines.	Not proposed	na	
7d	Any beneficiation process at mines .	Not proposed	na	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The mined ROM is sent to beneficiation plant/buyers from the mines. (sponge iron/cemet plants)

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed		
8b	Concurrent use or storage of topsoil	Not proposed		
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	For waste	made	

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8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	na	Very less qty generated
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed		
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not given	Additional 200	
8g	Survival rate	Not given	70%	
8h	Water sprinkling on roads to control airborne dust	Not proposed	done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			It is new operation. water spraying is done.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Yes done	

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not given	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	<p>Details are given ,Total area= Already exploited &amp; abandoned by opencast (O/C) mining 0.000</p> <p>(ii) Covered under current (O/C) Workings 1.690</p> <p>(iv) Used for waste disposal 0.940</p> <p>(v) Occupied by plant, buildings, residential, welfare buildings &amp; roads 0.200</p> <p>(vi) Other Purpose (PLANTATION, TAILING POND) 0.250</p> <p>(</p>	
9d	Scrutiny of Annual return on afforestation	Nil/not done.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil/no reject generation	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	487 lumps, 383-fines-exmine price.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Value of Fixed Assets (in Rs) 227258894	provided
9h	Scrutiny of Annual return on fixed assets		

9k	Scrutiny of Annual return on mining machineries	BACK HOE 0.900 CUM 1 Non Electrical Opencast BACK HOE 1.200 CUM 1 Non Electrical Opencast FRONT END LOADER 1.700 CUM 1 Non Electrical Opencast DOZER 410.000 HP 1 Non Electrical Opencast DUMPER 20.000 TONNE 6 Non Electrical Opencast	Information is given
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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 11(1)	16-JUL-21	07-OCT-21				
	Rule 26(2)	16-JUL-21	07-OCT-21				
	Rule 45(5) (a )	16-JUL-21	07-OCT-21				

**Date :**

**(SANDEEP KUMAR SINGH)**

Indian Bureau of Mines