

**INDIAN BUREAU OF MINES**  
**MINERALS DEVELOPMENT AND REGULATION DIVISION**  
**MCDR Inspection REPORT**  
**Reporting Year 2022-23**

1	Name of Inspecting officer:	<b>Shri. Kathroju Naveen</b>
2	Designation	Senior Assistant Controller of Mines
3	Accompanying mine official with Designation	Shri. Vijay Kumar Pandey GM( Mines) Shri.Susheel Kumar bajpai(Q.P)
4	Date of Inspection	23.11.2023
5	Previous Inspection date	20.01.2020

**General Information**

S.No	Particulars	Details
1	Name of the Mine	<b>PRATAPPUR IRON ORE MINE</b>
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	11.57 Ha.
3	Mine code	30 MPR 18004
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/766/2011
5	Name of the lessee, Address, Phone, email and fax number	M/S. ANAND MINING CORPORATION
6	Village	PRATAPPUR
7	Taluka/Mandal	SIHORA
8	District	JABALPUR
9	Pin code	483334
10	State	MADHYA PRADESH
11	Post Office	MAJHAGWAN
12	Nearest Police Station	MAJHAGWAN
13	Nearest Railway Station	SIHORA ROAD
14	Date of opening of Mine	21.07.1978 TO 20.07.2028 50(GRANT 20YEAR, RENEWAL 20 YEAR & EXTENSION 10 YEAR).
15	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. YASH PATHAK, PATHAK WARD KATNI-483501, PHONE-9575800444, EMAIL-gm@anandmining.com DATE OF APPOINTMENT-01/07/2022
16	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. HARSH KAPOOR, PATHAK WARD KATNI-483501, PHONE-9575552666, EMAIL:harsh.kapoor@anandmining.com DATE OF APPOINTMENT: 01/09/2011
17	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Hitesh Kumar Chauhan PHONE: 9575800471, EMAIL:chauhanhitesh052@gmail.com , DATE OF APPOINTMENT: 11/09/2023, ADDRESS: ANAND MINING CORPORATIONVILLAGE POST PRATAPPUR

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18	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Mr. Hitesh Kumar Chauhan, ADDRESS: ANAND MINING COPORATION PRATAPPUR 483334. PHONE:9575800471, EMAIL:chauhanhitesh052@gmail.com, DATE OF APPOINTMENT:01/01/2021.
19	Whether Geologist (with details of appointment) and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mr. Om Prakash Vishwakarma, ADDRESS: ANAND MINING COPORATION PRATAPPUR 483334. PHONE: 6264912029,EMAIL:OM.GEOLOGIST@GMAIL.COM, DATE OF APPOINTMENT: 20/10/2021.
20	Date of Approval of Mine Plan/Modified Mine Plan with five-year period and specific condition in approval letter, if any.	SIHORA ROAD
21	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	21.07.1978 TO 20.07.2028 50(GRANT 20YEAR, RENEWAL 20 YEAR & EXTENSION 10 YEAR).
22	Mineral(s) granted in lease and approved for Mining	Iron Ore
23	Method of Mining (Opencast, Underground)	Opencast
24	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
25	Captive/Non-Captive	Non- Captive

**Details about Mining Plan/ Review of Mining Plan etc**

a) Letter No. and date of approval of mining plan	:	MP/JABALPUR/IRON RMP-42/18-19 DT. 09/01/2019
b) Letter No. and date of approval of review of mining plan	:	No. E 9109 MCDR-MPCOFE/8/2023-JBP-IBM_RO_JBP
c) Period of mining plan/ mining scheme in force :	:	2023-24 to 2027-28.

**Exploration**

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year (before 2022-23)	Proposed 04bore holes in 2020-21	0 4bores drilled 2023-24.	
1b	Exploration over lease area for Geological axis 1 or 2 (for 2022-23)	Proposed to explore the lease area under G1		Violation is issued under Rule 12(4) for not exploring the potentially mineralized area under G1 level.
1c	Exploration Agency & Expenditure in Lakh Rupees during the year (for 2022-23)	Not proposed	NA	
1d	Balance area to be explored to bring the Geological axis in 1 or 2. (for 2022-23)	Nil	9.10 proved in G1 and 2.47 ha as non mineral zone.	
1e	Balance reserves as on 01.04.2023	24,08,607 T	26,11,515 T	During the Review of Mining Plan the proposals are revised and 10 new boreholes (Core) proposals are recommended for systematic exploration.
1f	General remarks of Inspecting officer on geology, exploration etc.	As per the last approved mining plan the reserves available are 111-1386471 and 122- 2614686 T total reserves as on 31.12.2018 are 40,01,157 T out of which it is proposed to produce 15,92,550 T against which 13,89,642 T produced. Thus the balance reserves available as on 01.04.2023 are 24,08,607 T		

**Development**

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Towards North	Development has encroached the 7.5 m barrier zone	Violations is pointed under Rule 11(1) for encroaching the 7.5m barrier in between the boundary pillars No. BP 184 and BP 187.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	1 Mineral Bench	1 Mineral Bench	
2c	Stripping ratio or ore to OB ratio	Not proposed	Nil	
2d	Quantity of topsoil generation in m3	Not proposed	Nil	
2e	Quantity of overburden generation in m3	Not proposed	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Violations is pointed under Rule 11(1) for encroaching the 7.5m barrier in between the boundary pillars No. BP 184 and BP 187.		

**Exploitation**

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	235350 T	215440 T	
3c	Recovery of Salable/usable minerals from ROM production	100%	100%	
3d	Quantity of mineral reject generation	0	0	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Nil	
3f	Quantity of sub-grade mineral generation	Not proposed	Nil	
3g	Grade of sub-grade mineral generation	Not proposed	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	Not proposed	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Nil	
3j	Provision of drilling & blasting in mineral benches	Not proposed	Nil	
3k	Provision of mining machineries in mineral benches	Yes proposed	As per the proposal.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed 6m bench height	As per the proposal	
3m	Total area covered under excavation /pits (Ha.)	Proposed 7.80 ha during the proposal period.	As per the furnished annual returns 7.480 ha	
3n	Ore to OB ratio for the pit/mine during the year	Not proposed	NA	
3o	Total area put in use under different heads at the end of year	8.405 ha proposed during the proposal period	As per the annual returns the reported are under different heads is 10.57 ha.	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	232200 T	165841.950 T
		2020-21	558000 T	441391.180 T
		2021-22	567000 T	566968.640 T
		2022-23	235350 T	215439.790 T
		2023-24	235350 T	235248.000 T
3q	General remarks of inspecting officer on method of mining etc.			

**Solid Waste Management-Dumping**

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Not proposed	NA	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	NA	
4c	Number of Dumps within lease area and outside lease area	Not proposed	NA	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	NA	
4e	Number of Active & Alive dumps	Not proposed	NA	
4f	Number of dead dumps	Not proposed	NA	
4g	Number of dumps established	Not proposed	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	NA	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	NA	
4j	Number of settling ponds	Not proposed	Nil	
4k	Specific comments of inspecting officer on waste dump management			

**Solid Waste Management-Backfilling**

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Pit has not exhausted	Backfilling neither proposed nor carried out.	
5b	Area under backfilling of mined out area	Not proposed	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Nil	
5d	Total area fully reclaimed & rehabilitated (Ha)	Not proposed	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc			

## Progressive Mine Closure Plan

S.N.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 23E (2). Details should be given in the format as given in Annexure-20	YES to eb submitted	Submitted on 25.05.2023	
6b	Area available for rehabilitation (Ha)	Not proposed		
6c	Afforestation done (ha)			
6d	No. of saplings planted during the year	42	42	
6e	Cumulative no. of plants	-	12959	
6f	Any other specific method of rehabilitation	Not proposed	Nil	
6g	Cost incurred on watch & care during the year	Not proposed	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Not proposed	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Not proposed	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the 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	Not proposed	Nil	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Not proposed	Nil	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Not proposed	Nil	
6p	Compliance of Environment monitoring (core zone & buffer zone)	YES	YES	
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations			

**Mineral Conservation**

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Grade wise dispatched is proposed	Grade wise dispatch.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sort out at mine	Not proposed	NA	
7d	Any beneficiation process at mines	Not proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues		-	

**Environment**

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	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	Nil	
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Not proposed	Nil	
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 & additional plantation done (Rule 41)	Not proposed	Nil	
8g	Survival rate	85%	85%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area			

**Compliance of Rule 45**

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly and annual returns are submitted on time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	. Mining Engineer in charge: HITESH KUMAR CHAUHAN Geologist in charge : OMPRAKASH VISHWAKARMA	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	I. Covered under current (O-C) Workings 7.480 ha. II. Reclaimed-rehabilitated 0.290 ha.	

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		III. Occupied by plant, buildings, residential, welfare buildings and roads 0.335 ha. IV. Used for any other purpose STORAGE 0.000 2.450.	
9d	Scrutiny of Annual return on afforestation	I. Number of trees planted during the year 42 II. Total no. of trees at the end of the year 12959	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	<b>Lumps</b> 45% to below 51% Fe...1834.730T <b>Fines</b> 51% to below 55% Fe...447.320 T	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	<b>Lumps</b> 45% to below 51% Fe 551.52/- <b>Fines</b> 45% to below 51% Fe..550/- 51% to below 55% Fe...516.70/-	
9i	Scrutiny of Annual return on Fixed assets	-	
9k	Scrutiny of Annual return on mining Machineries	Back Hoe 1.100 Cum	08
		Front End Loader 1.700 Cum	01
		Dumper 20.000 Tonne	04
		Water Tanker 12000.000 Litre	01

## Violations pointed out and their compliances received.

S.No	Violation Under Rule	Issued on	Compliance Received	SCN Issued on	Compliance Received
01	11(1)	23.03.2024	30.04.2024/13.05.2024	-	-
02	12(4)	23.03.2024	30.04.2024		
02	31(4)	23.03.2024	30.04.2024	-	-