

I/31668/2024

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

| | | |
|---|---|---|
| 1 | Name of Inspecting officer: | Shri Abhishek Ranjan Gautam |
| 2 | Designation | Assistant Mining Engineer |
| 3 | Accompanying mine official with Designation | Shri. Vijay Kumar Pandey GM (Mines) |
| 4 | Date of Inspection | 23.11.2023 |
| 5 | Previous Inspection date | 23.11.2023, Shri. Kathroju Naveen , Senior Assistant Controller of Mines |

General Information

| S.No | Particulars | Details |
|------|--|--|
| 1 | Name of the Mine | PRATAPPUR IRON ORE MINE |
| 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 | 9.10 proved in G1 and 2.47 ha as non mineral zone. | 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 01.04.2024 | 24,08,607 T | 3173359 T | |
| | | | | During the Review of Mining Plan the proposals are revised and 10 new boreholes (Core) proposals are recommended for systematic exploration. |

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| 1f | General remarks of Inspecting officer on geology, exploration etc. | Violation is issued under Rule 12(4) for not exploring the potentially mineralized area under G1 level. |
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Development

| S.N. | Item | Proposals | Actual Work | Remarks |
|------|--|--|-----------------|---------|
| 2a | Location of Development w.r.t. lease area | Towards North | As per proposal | |
| 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. | Production work carried out as per proposal. | | |

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 | 235247 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. | Opencast mechanized method have been adopted in the mine. | | | |

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 | No comments | | |

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 | Backfilling neither proposed nor carried out. | | |

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 be submitted | Submitted | |
| 6b | Area available for rehabilitation (Ha) | Not proposed | | |
| 6c | Afforestation done (ha) | | | |
| 6d | No. of saplings planted during the year | 50 | 50 | |
| 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 | Annual report on PMCP for 2023-24 has been submitted along with annual return. | | |

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 | Grade wise dispatch. carried out.- | | |

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) | 50 nos | 50 nos | |
| 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 | Aesthetic beauty in and around mine area is not satisfactory. | | |

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 50 II. Total no. of trees at the end of the year 12100 | |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade & Quantity) | Nil | |
| 9f | Scrutiny of Annual return on ROM stock and/or grade ore | Lumps 45% to below 51% Fe...Nil T Fines 51% to below 55% Fe...2482.480 T | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production costs | Lumps 45% to below 51% Fe Rs - 575/- Fines 45% to below 51% Fe..Rs - 550/- 51% to below 55% Fe...516.70/- | |
| 9i | Scrutiny of Annual return on Fixed assets | Nil | |
| 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) | 29.11.2024 | 20-03-2025 | - | - |
| 02 | 12(4) | 29.11.2024 | 20-03-2025 | | |
| 03 | 31(4) | 29.11.2024 | 20-03-2025 | - | - |
| 04 | 33 | 29.11.2024 | 20-03-2025 | | |

Abhishek Ranjan Gautam
Assistant Mining Engineer