

MCDRINSPECTION REPORT FOR THE PERIOD OF 2023-24

| | |
|------------------------------------------------|--------------------------------------|
| 1) Name of Inspecting officer: | Mr. Vikrant Khedikar |
| 2) Designation | Senior Assistant controller of mines |
| 3) Accompanying mine official with designation | Mr. Sarju Pandey(Mines Manager) |
| 4) Date of Inspection | 13/08/2024 & 14/08/2024 |

| Sl. No. | Particulars | Details |
|----------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Name of the Mines | Lawa GoldMine |
| 2 | Total Lease Area (Ha) with breakup of Non-forest and forest land | Total Lease area :- 54.55 Ha Forest land: - 54.55 Ha Non Forest – Nil, GM Land – Nil. |
| 3. | Mine code | 27JHK22001 |
| 4 | IBM Registration Number under rule 45 of MCDR, 1988 | IBM/4743/2011 |
| 5 | Name of the lessee, Address, Phone, email and fax number | Sri. Gaurav Agarwal, (Director & Nominated owner), M/s Manmohan Mineral Industries Pvt. Ltd., 108B, Patliputra Colony, Patna, Bihar- 800013 E-mail: mmiplindia@gmail.com |
| 6 | Village | Lawa |
| 7 | Taluka/Mandal | Chandil |
| 8 | District | Saraikela Kharsawan |
| 9 | Pin code | 800013 |
| 10 | State | Jharkhand |
| 11 | Post Office | Seema Gunda |
| 12 | Nearest Police Station | Nimdih |
| 13 | Nearest Railway station | Sini Junction |
| 14 | Date of Grant of Mining Lease | 09/01/2017 |
| 15 | Date of Execution | 09/01/2017 |
| 16 | Date of Opening of Mine | 15/07/2018 |
| 17 | Date of First Renewal, if applicable and its period & expiry | Lease period – upto 08/01/2067 |
| 18 | Date of second Renewal, if applicable and its period & expiry | NA |
| 19 | Date of submission of renewal application if Mining operations are continuing under deemed extension | NA |

| | | |
|----|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20 | Name of the Nominated Owner with Address, phone, email ,fax number and date of appointment | Sri. Gaurav Agarwal, (Director & Nominated owner), M/s Manmohan Mineral Industries Pvt. Ltd., 108B, Patliputra Colony, Patna, Bihar- 800013 E-mail: mmiplindia@gmail.com |
| 21 | Name of the Mine Agent with Address, phone email, fax number and date appointment in mines. | Sri Keshav Kumar, Village- Lawa, Thana - Nimdih Dist. - Saraikela Kharsawan Jharkhand SARAIKELA- KHARASWAN JHARKHAND, Mob: - 9430349046 Fax: - 91-657-2301243 |
| 22 | Name of the Mines Manager with Address, Phone, email, fax number and date of appointment | Mr. Sarju Pandey (Mines Manager), Village- Lawa, Thana - Nimdih Dist. - Saraikela Kharsawan Jharkhand Saraikela-Kharaswan Jharkhand, Fax: - 91-657-2301243 |
| 23 | Name of the mining engineer, qualification and total experience with Address, phone, email, fax number and date of appointment in Mines. | Pritish Nandi, Mining Engineer, Add-Vill- Lawa, Post- Simagunda,PS- Nimdih, Seraikela Kharswan-8341001 Date of Appointment – 01.06.2024 |
| 24 | Whether Geologist and Mining Engineer appointed in Mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44. | Jhuman Kumar, Sr. Geologist, Add- Vill- Lawa, Post- Simagunda,PS- Nimdih, Seraikela Kharswan-8341001 Date of Appointment – 15.11.2019 |
| 25 | Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any. | Modification of Mining Plan Under Rule 17(3) Of MCR, 2016. Vide approval letter No. RAN/SAR- KHAR/Au/MMP-8/2023-24. Dated: - 14/03/2024 |
| 26 | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any. | Mining Plan Date of Approval 18/07/2011 Plan period 01/04/2018 to 31/03/2023 Modification of mining plan Date of Approval 15/11/2020 Plan period 01/04/2021 to 31/03/2023 Modification of mining Plan Date of Approval 31/03/2022 Plan period 01/04/2022 to 31/03/2023 Review mining Plan Date of Approval – 02/01/2023 Plan period 01/04/2023 to 31/03/2028 |
| 27 | Mineral(s) granted in lease and proved for mining | Gold |
| 28 | Method of Mining(Open cast, Underground) | Underground |

| | | |
|----|-----------------------------------------------|---------|
| 29 | Category (Fully Mechanized, Others or Manual) | Others |
| 30 | Captive/Non Captive | Captive |

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

| Sl.No | Item | Proposals (2023-24) | Actual work (2023-24) | Remarks |
|-------|--------------------------------------------------------------------|-------------------------------------------------|--------------------------|---------------------------------------------------------------------|
| 1a | Backlog of previous year | NIL | NIL | NIL |
| 1b | Exploration over lease area for Geological axis 1 or 2. | 7 | 7 | MP- 350 Meters proposed against which 385 Meters drilling achieved. |
| 1c | Exploration Agency & Expenditure in lakh Rupee during the year | MMIPL(SELF) | MMIPL(SELF) 11.5 Lakh | NIL |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | 0.07 Ha Underground geological mapping | NIL | NIL |
| 1e | Balance reserves as on 01.04.2024 | NA | 159310.60 Tonnes | NIL |
| 1f | General remarks of inspecting officer on geology, exploration etc. | Nil | Nil | Nil |

Development

| Sl.No | Item | Proposals (2023-24) | | | Actual work (2023-24) | Remarks |
|-------|------------------------------------------|---------------------|---------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| | | ID | Type of development | Location | | |
| 2a | Location of development w.r.t lease area | SX CUT2 ED | Drive | 1L (404310 E To 404313 E) | 1. Development of drive is towards East only upto 404388E. 2. Crosscut, drive, Winzes and raises are not developed as per the proposed plan for the year 2023-24. | Violation issued under Rule 11(1). |
| | | SX CUT2 WD | Drive | 1L (404307 E To 404291 E) | | |
| | | NX CUT1 | Cross-cut | 1L (2546947 N To 2546953 N) | | |
| | | NX CUT2 | Cross-cut | 1L (2546964 N To 2546967 N) | | |

| | | |
|----------|-----------|---------------------------------------------|
| SX CUT1 | Cross-cut | 1L (2546941 N To 2546935 N) |
| SX CUT2 | Cross-cut | 1L (2546952 N To 2546937 N) |
| SX CUT4 | Cross-cut | 1L (2546973 N To 2546960 N) |
| SX CUT5 | Cross-cut | 1L (2546942 N To 2546933 N) |
| LK R1 | Raise | 1BL (250 MRL - 263 MRL)(404 252 E) |
| SX CUT 1 | Cross-cut | 2L (2546951 N To 2546941 N) |
| SX CUT 2 | Cross-cut | 2L (2546930 N To 2546918 N) |
| SX CUT 3 | Cross-cut | 2L (2546922 N To 2546913 N) |
| T R1A | Raise | 2L (243 MRL - 255 MRL)(404 348 E) |
| LK ED2 | Drive | 2AL (2546926 N & 404247 E) |
| NX CUT 1 | Cross-cut | 2AL (2546927 N To 2546938 N) |
| NX CUT 2 | Cross-cut | 2AL (2546926 N To 2546935 N) |
| SX CUT 2 | Cross-cut | 2AL (2546926 |

| | | |
|----------------------|-----------|---------------------------------------------|
| | | N To 2546913 N) |
| SX CUT 3 | Cross-cut | 2AL (2546923 N To 2546914 N) |
| R7 | Raise | 2AL (218 MRL - 228 MRL)(404 293 E) |
| R11 | Raise | 2AL (216 MRL - 221 MRL)(404 256 E) |
| LK ED MAIN | Drive | 3L (404306 E To 404416 E) |
| LK WD MAIN | Drive | 3L (404150 E To 404132 E) |
| LK FW | Drive | 3L (404253 E To 404348 E) |
| LK SX CUT 2 HW | Drive | 3L (404308 E To 404292 E) |
| LK NX CUT 2 | Cross-cut | 3L (2546903 N To 2546912 N) |
| LK NX CUT 3 | Cross-cut | 3L (2546916 N To 254691433 N) |
| LK NX CUT 4 | Cross-cut | 3L (2546912 N To 2546927 N) |
| LK NX CUT 5 | Cross-cut | 3L (2546909 N To 2546923 N) |
| LK NX CUT 6 | Cross-cut | 3L (2546899 N To 2546909 N) |
| LK SX CUT 1 | Cross-cut | 3L (2546910 |

| | | | | |
|----|-------------------------------------------------------------------------|-----------|--------------------------------------------|---------------------------------|
| | | | N To 2546901 N) | |
| | LK SX CUT 2 | Cross-cut | 3L (2546902 N To 2546897 N) | |
| | LK SX CUT 3 | Cross-cut | 3L (2546899 N To 2546893 N) | |
| | LK SX CUT 4 | Cross-cut | 3L (2546902 N To 2546914 N) | |
| | LK R6 | Raise | 3L (204 MRL - 211 MRL)(404 260 E) | |
| | T2 W2 | Winze | 3L (2546913 N & 404292 E) | |
| | LK R8 | Raise | 3L (198 MRL - 202 MRL)(404 303 E) | |
| | LK R9 | Raise | 3L (198 MRL - 216 MRL)(404 261 E) | |
| | LK R10 | Raise | 3L (200 MRL - 216 MRL)(404 348 E) | |
| | LK R12 | Raise | 3L (199 MRL - 227 MRL)(404 343 E) | |
| | LK R13 | Raise | 3L (198 MRL - 216 MRL)(404 286 E) | |
| | B3 ADIT | Adit | 2BL (2546817 N To 2546916 N) | |
| | B3 ADIT RAISE | Raise | 2BL (2546879 N & 404720 E) | |
| 2b | Separate benches in top soil, overburden and mineral (Rule 15) | NA | NA | As it is underground mine |

| | | | | |
|----|-----------------------------------------------------------|----|----|--------------------------------------------------------------------------------------------------------------------|
| 2c | Stripping ratio or ore to OB ratio | NA | NA | As it is underground mine |
| 2d | Quantity of topsoil generation in m ³ | NA | NA | -Do- |
| 2e | Quantity of overburden generation in m ³ | NA | NA | -Do- |
| 2f | General remarks of inspecting officer on development etc. | | | Variation in development for the year 2023-24 as proposed in MP, hence violation under rule 11(1) has been issued. |

Exploitation

| Sl.No | Item | Proposal (2023-24) | Actual Work(2023-24) | Remarks |
|-------|-----------------------------------------------------------------|------------------------|----------------------|-------------------------------------|
| 3a | Number of pits proposal for production | 3 Stopes were proposed | 3 Stopes | (Bhalukhad,Lal Khadan & Tamapahar). |
| 3b | Quantity of ROM mineral production proposed | 11445 Tonnes | 10079 Tonnes | |
| 3c | Recovery of salable/usable mineral from ROM production | 80% | 88% | |
| 3d | Quantity of mineral reject generation | NIL | NIL | |
| 3e | Grade of mineral reject generation and threshold value declared | NA | NA | |
| 3f | Quantity of sub-grade mineral generation | NIL | NIL | |
| 3g | Grade of sub-grade mineral generation | NA | NA | |
| 3h | Manual/Mechanized method adopted for segregating from ROM | Manual | Manual | |
| 3i | Any analysis or beneficiation study proposed & carried | NA | NA | |

| | | | | | | |
|----|------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------|----------------------------------------------------|----------|-------------|
| | out for sub-grade mineral and reject | | | | | |
| 3j | Provision of drilling & blasting in mineral benches | NA | | NA | | |
| 3k | Provision of mining machineries in mineral benches | NA | | NA | | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | NA | | NA | | |
| 3m | Total area covered under excavation/pits | Mining –2.76Ha | | Mining – 1.170 ha | | |
| 3n | Ore to OB ratio for the pit/mine during the year | NA | | NA | | |
| 3o | Total area put in use under different heads at the end of year | Mining | 2.76 Ha | Mining | 1.170 ha | |
| | | Waste Dump | 0.21ha | Waste Dump | 0.21 ha | |
| | | Mineral Beneficiation Plant | 0.46ha | Mineral Beneficiation Plant | 0.46 ha | |
| | | Mineral Storage | 0.02ha | Mineral Storage | 0.012 ha | |
| | | Tailing Pond | 0.14ha | Tailing Pond | 0.14 ha | |
| | | Roads, Conveyors, pipeline, electric line | 0..21ha | Roads, Conveyors, pipeline, electric line | 0.21 ha | |
| | | Infrastructure | 0.50 ha | Infrastructure | 0.50 ha | |
| | | Township | 0 ha | Township | 0ha | |
| | | Topsoil | 0ha | Topsoil | 0 ha | |
| | | Effluent Treatment Plant | 0 ha | Effluent Treatment Plant | 0 ha | |
| | | Others (Rainwater harvesting, Back Filling Area) | 0.24 ha | Others (Rainwater harvesting, Back Filling Area-1) | 0.20 ha | |
| | | Green Belt | 0.04 ha | Green Belt | 0.17 ha | |
| 3p | Production of ROM mineral during last five-year period, as applicable | 2019-20 | 7751 | 2019-20 | 4807 | (In Tonnes) |
| | | 2020-21 | 7078 | 2020-21 | 2859 | |
| | | 2021-22 | 5950 | 2021-22 | 3682 | |
| | | 2022-23 | 14790 | 2022-23 | 8809 | |
| | | 2023-24 | 11445 | 2023-24 | 10079 | |
| 3q | General remarks of inspecting officer on method of mining etc. | Nil | | | | |

Solid Waste Management-Dumping

| Sl.No | Item | Proposal(2023-24) | Actual Work(2023-24) | Remarks |
|-------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------|
| 4a. | Separate dumping of topsoil, OB & mineral reject (Rule 32,33) | NA | NA | Nil |
| 4b | Location of topsoil, & OB & mineral reject dumps (Give coordinates with mRL) | NA | NA | Nil |
| 4c | Number of dumps within lease area and outside lease area | 1 | 1 | Within Lease |
| 4d | Location of dumps w.r.to ultimate pit limit (Rule 16) | Latitude - 23:01:37.06 To 23:01:35.53 Longitude 86:04:06.61 To 86:04:08.08 | Latitude 23:01:37.06 To 23:01:35.53 Longitude 86:04:06.61 To 86:04:08.08 | |
| 4e | Number of active & alive dumps | 1 | 1 | |
| 4f | Number of dead dumps | Nil | Nil | |
| 4g | Number of dumps stabilized | Nil | Nil | |
| 4h | Whether Retaining wall or garland drain all along dumps are there | Yes | Yes | |
| 4i | Length of Retaining wall or garland drain all along dump | Yes | Yes | |
| 4j | Number of settling ponds | 1 | 1 | |
| 4k | Specific comments of inspecting officer on waste dump management | Nil | | |

Solid Waste Management-Backfilling

| Sl.No | Item | Proposal (2023-24) | Actual Work (2023-24) | Remarks |
|-------|----------------------------------------------------------------------------------------------|--------------------|-----------------------|---------|
| 5a | Status on part or full extraction of mineral from mined out area before starting backfilling | NA | NA | NIL |
| 5b | Area under backfilling of mined out area | NA | NA | NIL |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 35) | NIL | NIL | |

| | | | | |
|----|------------------------------------------------------------------------|-----|-----|--|
| 5d | Total area fully reclaimed & rehabilitated | NIL | NIL | |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc. | NIL | | |

Progressive Mine Closure Plan

| Sl.No | Item | Proposal(2023-24) | Actual Work(2023-24) | 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 | Annual Report on PMCP to be submitted in time. | Annual Report on PMCP submitted in time along with Annual Return. | Annual return submitted. |
| 6b | Management of worked/mined out benches | | | |
| | i) Area available for rehabilitation (ha) | NA | NA | |
| | ii) Afforestation done (ha) | NA | NA | |
| | iii) No. of sapling planted during the year | NA | NA | |
| | iv) Cumulative no. of plants | NA | NA | |
| | v) Any other specific method of rehabilitation | NA | NA | |
| | vi) Cost incurred on watch & care during the year | NA | NA | |

| | | | | |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---|
| 6c | <p>Compliance on reclamation and rehabilitation by back filling</p> <p>i) Voids available for backfilling (LxBxD)</p> <p>ii) Void filled by waste/tailings</p> <p>iii) Afforestation on the backfilled area</p> <p>iv) Rehabilitation by making water reservoir</p> <p>v) Any other specific means</p> | <p>Stope BSBW1(6690 M3), Stope BSBE2 (52206 M3)</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> | <p>2028 M3</p> <p>NA</p> <p>NA</p> <p>NA</p> <p>NA</p> | |
| 6d | <p>Compliance of Rehabilitation of waste land within lease</p> <p>i) Afforestation</p> <p>ii) Area rehabilitated (ha)</p> <p>iii) Method of rehabilitation</p> | <p>200</p> <p>0.04</p> <p>Plantation</p> | <p>225</p> <p>0.17</p> <p>Plantation</p> | . |
| 6e | Compliance of Environmental monitoring (core zone & buffer zone) | Environmental monitoring to be done | Environmental monitoring is done | |
| 6f | General remarks of inspecting & progressive closure operations. | NIL | | |

Mineral Conservation

| Sl.No | Item | Proposal(2023-24) | Actual Work(2023-24) | Remarks |
|-------|--------------------------------------------------------------------------------------|-------------------|----------------------|---------------------------------------------------------------------------------------------------------------------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | NA | NA | NIL |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical | NA | NA | NIL |
| 7c | Different grade of mineral sorted out at mines | NA | NA | NIL |
| 7d | Any beneficiation process at mines | NA | NA | Entire ROM is feed into the processing plant after sampling for extraction of gold. Plant is within the lease area |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation issues | | | Entire ROM is feed into the processing plant after sampling for extraction of gold. Plant is within the lease area. |

Environment

| Sl.No | Item | Proposal(2023-24) | Actual Work(2023-24) | Remarks |
|-------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | NA | NA | NIL |
| 8b | Concurrent use or storage of topsoil | NA | NA | NIL |
| 8c | Separate dumps for overburden, waste rock rejects and fines (Rule 33) | MWD-1 Latitude (From - 23:01:37.06 to 23:01:35.53), Longitude (From - 86:04:06.61 to 86:04:08.08) | MWD-1 Latitude (From - 23:01:37.06 to 23:01:35.53), Longitude (From - 86:04:06.61 to 86:04:08.08) | Main Waste Dump (MWD-1) from where waste rock of underground is mixed with plant tailings to backfill underground stopes. |

| | | | | |
|----|--------------------------------------------------------------------------------------------------------------|-----|-----|----------------------------------------------------------------------------------------------|
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | NA | NA | NIL |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.) | NA | NA | NIL |
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 42) | Yes | Yes | Cumulative work done on plantation and area covered under green belt development is 0.66 Ha. |
| 8g | Survival rate | 80% | 50% | NIL |
| 8h | Water sprinkling on roads to control airborne dust | Yes | Yes | NIL |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area. | | | Green belt development may be improved by additional plantation. |

Compliance of Rule 45

| Sl.No | Item | COMMENTS | | Remarks |
|--------|-----------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|-------------------------------------------------------|
| 9a | Status of submission of Monthly and Annual returns | | | Monthly Returns Submitted within the stipulated time. |
| Sl.No. | Item | | | Remarks |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Appointed | Appointed | NIL |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | As per Modified Mining Plan | As per Modified mining Plan | NIL |
| 9d | Scrutiny of Annual return on Afforestation | 200 Plants | 225 Plants | Survived. |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade & Quantity) | NA | NA | NIL |

| | | | | |
|----|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 9f | Scrutiny of Annual return on ROM stock and/ore grade ore | 3.65gm/Tonne | 3.19 gm/Tonne | NIL |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production cost. | Production Cost - 3060 Rs /Ton | 14173 Rs/ Ton | NIL |
| 9h | Scrutiny of Annual return on fixed assets | Applicable | ₹ 33323506 | Additions during the Year ₹11255557 |
| 9i | Scrutiny of Annual return on mining machineries | drill machine - jack hammer battery operated dumpers plant, Tractor for transportation of ore on surface | drill machine - jack hammer battery operated dumpers plant, Tractor for transportation of ore on surface found during inspection. | Nil |

Details of violations observed during current inspection and compliance position of violation pointed.

1. Violation observed: - MCDR- 2017 Rule 11(1) and issued on date 26/08/2024.

Vikrant Khedikar,
Sr. Assistant controller of Mines,
09th Sept' 2024.