

| SL.N | PARTICULARS | DETAILS |
|-------------|--|--|
| 1 | File No. | CHG/RAP/LST-50/NGP |
| 2 | Name & Designation of the inspecting officer | D. Dash, Regional Mining Geologist, Indian Bureau of Mines, Raipur |
| 3 | Date of Inspection | 05.09.2023 |
| 4 | Date of Last Inspection & Officer | 01.09.2022, Shri Arun Kumar, Regional Controller of Mines |
| 5 | Accompanying mine personnel | Mr. Ramesh Kumar Nakum, HOD (Mines), Mr. Kamlesh Chandrakar- Sr. Manager (Planning & Geology) |
| 6 | Name of the Mine | Rawan Jhipan Limestone Mine |
| 7 | Total Lease Area (Ha) with breakup of Non-forest and forest land | Lease area – 722.834 hect, Non-Forest area – 722.834 hect, Forest Area – Nil |
| 8 | Mine code | 38MPR28018 |
| 9 | IBM Registration Number under rule 45 of MCDR, 1988 | IBM/441/2011 |
| 10 | Name of the lessee, Address, phone, email and fax number | Name - M/s UltraTech Cement Limited Address - 'B' Wing, Ahura Centre 2nd floor, caves Road, Andheri (E), Mumbai 400093 Fax No – 02266928109, Phone No- 02266917800 Email - ajit.ostwal@adityabirla.com |
| | Village | Rawan, Jhipan, Pendri, Kadhidi and Phunderdih |
| | Taluka/Mandal | Simga |
| | District | BalodaBazar - Bhatapara |
| | Pincode | 493196 |
| | State | Chhattisgarh |
| | Post office | Grasim Vihar, Rawan |
| 11 | Nearest police station | Suhela |
| 12 | Nearest Railway station | Bhatapara |
| 13 | Date of Grant of Mining Lease | 01.11.1993 |
| 14 | Date of Execution | 04.12.1993 |
| 15 | Date of opening of Mine | 05.02.1994 |
| 16 | Weekly day of rest | Sunday |
| 17 | Date of first Renewal, if applicable and its period & expiry | Not applicable |

| | | |
|----|---|--|
| 18 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment | Mr. K.C. Jhanwar UltraTech Cement Limited Ahura Centre, A Wing, First Floor, Mahakali Caves Road, Andheri East, Mumbai 400093, Email: ajit.ostwal@adityabirla.com , Phone No.: 022- 66917421, Date of Appointment – 19/10/2018 |
| 19 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | Shri Vinay Sharad Chitale M/S UltraTech Cement Limited, Unit : Rawan Cement Works, Address- Village Rawan, Post office: Grasim Vihar, distt. Baloda Bazar –Bhatapara (C.G.) 493196, Phone No- 9922413048, Fax - 07726- 281572 Email: vinay.chitale@adityabirla.com Date of appointment: 12.11.2021 |
| 20 | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines | Shri Ramesh Kumar Nakum Rawan Jhipan Limestone Mine, Grasim Vihar Rawan, District: Baloda Bazar-Bhatapara (Chhattisgarh) , Phone no: 9824852314 Email: ramesh.nakum@adityabirla.com Date of Appointment: 10/11/2022 |
| 21 | Name of the Mining Engineer, & Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine | Shri Ramesh Kumar Nakum Shri Ramesh Kumar Nakum Qualification: Diploma (Mining) Total Experience: 20 years District: Baloda Bazar- Bhatapara (Chhattisgarh) Email: ramesh.nakum@adityabirla.com Phone no: 9824852314, Date of Appointment: 10/11/2022 Shri Kamlesh Kumar Chandrakar M. Tech.-Applied Geology Total Experience 22 years. Phone number- 9977701632, Date of appointment- 30.05.2018 |
| 22 | Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44. | Both Geologist and mining engineer appointed under Rule 42 and meet the required qualification and experience criteria. |
| 23 | Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any. | Approval of Review of Mining Plan vide letter no RPR/BalodaBazar/LST/1342/RMP/2022-23 dated 28.02.2023 for 2023-24 to 2027-28. |
| 24 | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any. | Modification not done in this plan period. |

| | | |
|----|---|---|
| 25 | Mineral(s) granted in lease and proved for mining | Limestone |
| 26 | Method of Mining (Opencast, Underground) | Open cast |
| 27 | Category (Fully Mechanized, Others or Manual) | Fully mechanized |
| 28 | Captive/Non-Captive | Captive |
| 29 | EC for ROM Prod: Date of Issue: | 7.5 Million Tonnes 29.06.2011 |
| 30 | FA amount Rs Valid up to: | Rs-23,00,10,000/- Valid up to 31 st March 2028 |

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

1.0 EXPLORATION

| SN | ITEM | PROPOSALS (2022-23) | ACTUAL WORK (2022-23) | REMARKS |
|----|--|--|--------------------------|--|
| 1a | Backlog of previous year | 0 | 0 | Deposit has been explored under G1 scale of exploration. |
| 1b | Exploration over lease area for Geological axis 1 or 2. | NIL | NIL | |
| 1c | Exploration Agency & Expenditure in lakh Rupees during the year | NIL | NIL | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | Nil | Nil | |
| 1e | Balance reserves as 01.04.2023 (million tonnes) | Under (111): 415.903 Million Tonnes Under (122): Nil Under 211: 145.626 Million Tonnes | | |
| 1f | General remarks of inspecting officer on geology, exploration etc. | The entire lease area is covered under G1 scale of exploration. | | |

2.0 DEVELOPMENT

| SN | ITEM | PROPOSALS (2022-23) | ACTUAL WORK (2022-23) | REMARKS |
|----|---|--|--|------------------|
| 2a | Location of development w.r.t. lease area | X=601683-603303 Y=2383990- 2386535 | X=601426-603303 Y=238989- 2386389 | As per proposal. |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15) | In topsoil and Overburden-01 Mineral-05 | In topsoil and Overburden-01 Mineral-05 | As per the plan |

| | | | | |
|----|---|---|--------------|--|
| 2c | Stripping ratio or ore to OB ratio | 1:0.20 (T/T) | 1:0.24 (T/T) | Total OB (topsoil & waste) handed 15,47,500 MT. Total Limestone dispatched 6400934 MT. Development of quarry is slightly on higher side. |
| 2d | Quantity of topsoil generation in Tonnes | 1,44,925 | 1,84,021 | Slightly on higher side. |
| 2e | Quantity of overburden generation in MT | 15,07,677 | 15,47,500 | Overburden handling is slightly on higher side. |
| 2f | General remarks of inspecting officer on development of pit w.r.t. type of deposit etc. | Development of quarries have been done as per proposal. | | |

3.0 EXPLOITATION

| S.N. | ITEM | PROPOSAL (2022-23) | ACTUAL WORK (2022-23) | REMARK |
|------|---|--|--|---|
| 3a | Number of pits proposed for production | 01 | 01 | As per proposal. |
| 3b | Quantity of mineral production proposed | 74,25,000 | 64,00,934 | As per plant demand. Part of the limestone requirement has been met from other mines |
| 3c | Recovery of saleable/usable mineral from production | 99% | 96.68% | Generation of Screen reject quantity is more due to high contamination of Clay in top benches |
| 3d | Quantity of mineral reject generation | 60,000 MT | 2,19,839MT | Generation of Screen reject quantity is more due to high contamination of Clay in upper benches |
| 3e | Grade of mineral reject generation and threshold value declared | CaO grade in Mineral reject - 26.8% Threshold – 34% | CaO grade in Mineral reject -29.31% Threshold – 34% | Screened rejects are waste since below the threshold limit. |
| 3f | Quantity of sub-grade mineral generation | 15,000MT | 3223 MT | The grades are above threshold limit and cut off. |
| 3g | Grade of sub-grade mineral generation | CaO- 36.17 % | CaO-36.52% | |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Mechanized | Mechanized | Wobbler with screening system installed in crusher |

| | | | | for segregation of clay and limestone. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|--|--|---|---|----------|-----|-----------|---------|---|-----------|-------|---|----------|---------|---|--------|-------|---|--------|------|----|--------|------|---|------------------|------------|---|------------------|------------|---|-------|--------|---|--------------|-------|---|--------------|-------|---|---------------|-----|---|---------------|------|---|--------------|-------|---|-------------|-----|---|------------|---|---|---------|---------|---|---------|--------|---|------------------|
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject | Nil | Nil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3j | Provision of drilling & blasting in mineral benches | Drilling & Blasting Dia of Hole -152 & 112 mm Drilling Pattern (Spacing*Burden*Depth) OB-(3*3*2.5) Ore-(6.5*4*8) | Drilling & Blasting Dia of Hole -152 & 112 mm Drilling Pattern (Spacing*Burden*Depth) Dev -(3*3*2.5) Ore-(6.5*4*8) | As per proposal. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3k | Provision of mining machineries in mineral benches | Shovel Tata EX1200-3Nos L&T CK300-3 Nos Back Hoe L&T CK300-2 Nos Dumper 60T-11 Nos Dumper 35T-5 Nos | <table border="1"> <thead> <tr> <th>Equipments</th> <th>Capacity</th> <th>No.</th> </tr> </thead> <tbody> <tr> <td>Excavator</td> <td>6.5 CUM</td> <td>4</td> </tr> <tr> <td>Excavator</td> <td>4 CUM</td> <td>2</td> </tr> <tr> <td>Back Hoe</td> <td>3.2 CUM</td> <td>2</td> </tr> <tr> <td>Loader</td> <td>5 CUM</td> <td>1</td> </tr> <tr> <td>Dumper</td> <td>60 T</td> <td>12</td> </tr> <tr> <td>Dumper</td> <td>35 T</td> <td>2</td> </tr> <tr> <td>Blast Host Drill</td> <td>152 MM dia</td> <td>1</td> </tr> <tr> <td>Blast Host Drill</td> <td>115 MM dia</td> <td>2</td> </tr> <tr> <td>Dozer</td> <td>350 HP</td> <td>2</td> </tr> <tr> <td>Water Tanker</td> <td>12 KL</td> <td>2</td> </tr> <tr> <td>Water Tanker</td> <td>28 KL</td> <td>1</td> </tr> <tr> <td>Explosive Van</td> <td>8 T</td> <td>1</td> </tr> <tr> <td>Explosive Van</td> <td>7.3T</td> <td>1</td> </tr> <tr> <td>Motor Grader</td> <td>145HP</td> <td>1</td> </tr> <tr> <td>Road roller</td> <td>10T</td> <td>1</td> </tr> <tr> <td>Other HEMM</td> <td>1</td> <td>1</td> </tr> <tr> <td>Crusher</td> <td>1600TPH</td> <td>1</td> </tr> <tr> <td>Crusher</td> <td>850TPH</td> <td>1</td> </tr> </tbody> </table> | Equipments | Capacity | No. | Excavator | 6.5 CUM | 4 | Excavator | 4 CUM | 2 | Back Hoe | 3.2 CUM | 2 | Loader | 5 CUM | 1 | Dumper | 60 T | 12 | Dumper | 35 T | 2 | Blast Host Drill | 152 MM dia | 1 | Blast Host Drill | 115 MM dia | 2 | Dozer | 350 HP | 2 | Water Tanker | 12 KL | 2 | Water Tanker | 28 KL | 1 | Explosive Van | 8 T | 1 | Explosive Van | 7.3T | 1 | Motor Grader | 145HP | 1 | Road roller | 10T | 1 | Other HEMM | 1 | 1 | Crusher | 1600TPH | 1 | Crusher | 850TPH | 1 | As per proposal. |
| Equipments | Capacity | No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Excavator | 6.5 CUM | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Excavator | 4 CUM | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Back Hoe | 3.2 CUM | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Loader | 5 CUM | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dumper | 60 T | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dumper | 35 T | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blast Host Drill | 152 MM dia | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blast Host Drill | 115 MM dia | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dozer | 350 HP | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Tanker | 12 KL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Tanker | 28 KL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Explosive Van | 8 T | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Explosive Van | 7.3T | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Motor Grader | 145HP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Road roller | 10T | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other HEMM | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crusher | 1600TPH | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crusher | 850TPH | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes | Yes | Bench height maintained are OB – up to 5 Meters Ore – 8 to 9 Meters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3m | Total area covered under excavation/pits | 265Hect. | 233.980 Hect. | Due to less production against proposed production quantity in last four years. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3n | Ore to OB ratio for the pit/mine during the year (T/T) | 1:0.20 | 1:0.24 | Slightly on higher side. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3o | Total area put in use under different heads at the end of year | 312.804 | 302.994 (+59.83 hect green belt) | Due to less production then the plan quantity in last four years. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | |
|----|---|--|-----------|------------------------------------|
| 3p | Production of mineral during last Three -year period, as applicable (tones) | 2018-19: 74,25,000 | 68,99,169 | Production as per the plant demand |
| | | 2019-20: 74,25,000 | 70,16,800 | |
| | | 2020-21: 74,25,000 | 61,67,014 | |
| | | 2021-22: 74,25,000 | 68,04,149 | |
| | | 2022-23: 74,25,000 | 64,00,934 | |
| 3q | General remarks of inspecting officer on method of mining etc. | The production of Limestone from the mine is on lower side due to less demand from the captive cement plant. However, stripping ration is slightly on higher side indicating higher development of quarry. | | |

4.0 SOLID WASTE MANAGEMENT-DUMPING

| SN | ITEM | PROPOSALS (2022-23) | ACTUAL WORK (2022-23) | REMARKS |
|----|--|---|---|-----------------------|
| 4a | Separate dumping of topsoil, OB & mineral reject (Rule 32, 33) | Separate dumping of Topsoil, OB & mineral reject is proposed | Separate bench for topsoil, OB and limestone are being maintained. | Done as per proposal. |
| b | Location of topsoil, OB & mineral reject dumps | Top soil along the MLB North Soil- 2386532- 2387060N & 602575- 603094E South OB 2384282- 2384446N & 602714 -603147E Mineral Reject- 2383967- 2383967N & 602438-602655E | Top soil staking along the lease boundary. South OB- 2386532 -2387060N & 602575 - 603094E South OB- 2384282-2384455N & 602740 -603145 E Screen Reject- 2384015-2384196N & 602516-602633E | Done as per proposal. |
| 4c | Number of dumps within lease area and outside lease area | 06 | 06 | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | South OB 2384282- 2384446N & 602714 -603147E Temporary in nature | South OB- 2384282-2384455N & 602740 -603145 E Temporary in nature | |
| 4e | Number of active & alive dumps | 05 | 05 (1-OB, 1- Screen Reject, 3 soil) | |

| | | | | |
|----|---|--|-----------------------------|--|
| 4f | Number of dead dumps | 02 | 02 (1-OB, 1- Screen Reject) | Garland drain and Retaining wall provided at the edge of the dump. |
| 4g | Number of dumps stabilized | 01 | 01 | |
| 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 | Nil | 500mtr | |
| 4j | Number of settling ponds | Nil | Nil | |
| 4k | Specific comments of inspecting officer | Top soil, over burden, sub grade/mineral rejects, screened fines(waste) have been separately stacked as per proposal. Protective measure in form of retaining wall and garland drainage provided in waste dumps. | | |

5.0 SOLID WASTE MANAGEMENT-BACKFILLING

| SN | ITEM | PROPOSALS (2022-23) | ACTUAL WORK (2022-23) | REMARKS |
|----|--|--|---|---|
| 5a | Status on part or full extraction of mineral from mined out area before starting backfilling | Nil | Nil | No area is fully mined out. |
| 5b | Area under backfilling of mined out area | Nil | Nil | -do- |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) | Based on the availability – used for spreading for Plantation | Top soil stored along the lease boundary and it is being used for plantation. | During 2022-23 total 1,84,021MT of top soil used for plantation |
| 5d | Total area fully reclaimed & rehabilitated | Nil | Nil | 1.65 hect fully reclaimed and rehabilitated in 2010-15. |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc | No area fully mined out hence there is no scope for backfilling at present. One old waste dump has been fully rehabilitated by plantation. | | |

6.0 PROGRESSIVE MINE CLOSURE PLAN

| SN | ITEM | PROPOSALS (2022-23) | ACTUAL WORK (2022-23) | 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 | Yes | Annual return submitted on dated 29.06.2023. |
| 6b | Management of worked/mined out benches i) Area available for rehabilitation (ha) | Nil | Nil | No area is mined out. |
| | ii) Afforestation done (ha) | Nil | Nil | -do- |
| | iii) No. of saplings planted during the year | Nil | Nil | -do- |
| | iv) Cumulative no. of plants | Nil | Nil | -do- |
| | v) Any other specific method of rehabilitation | Nil | Nil | -do- |
| | vi) Cost incurred on watch & care during the year | Nil | Nil | -do- |
| 6c | Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means | Nil | Nil | -do- |
| 6d | Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation | i) 2500Nos of Saplings ii) 1ha iii) Plantation | i) 2800 Nos of Saplings ii) 1.1ha iii) Plantation | Replantation done in the year 2022-23 |
| 6e | Compliance of Environmental monitoring (core zone & buffer zone) | Monitoring of ambient air, water, noise level, Ground vibration | Air Quality monitoring in 04 locations in Core and buffer zone. Mines sump water and drinking water | M/s JM EnviroNet is engaged for Monitoring of Air, Water and noise quality in core and |

| | | | | |
|----|--|--|--|--------------|
| | | | analysis on quarterly basis. Noise monitoring in quarterly basis. Ground vibration is being done in regular basis. | buffer zone. |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive | No area is mined out, thus there is no scope for plantation on mined out benches or backfilling of mined out pit. However, during the year 2022-23, plantation 2800 nos of saplings done against proposed plantation of 2500 saplings in waste land within lease area. | | |

7.0 MINERAL CONSERVATION

| SN | ITEM | PROPOSALS (2022-23) | ACTUAL WORK (2022-23) | REMARKS |
|-----------|--|--|--------------------------------------|---|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | Within Mining lease area | Within Mining lease area | Done as per proposal. |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical | Mechanized | Mechanized | Clay and limestone segregation is being done through wobbler and screen combination installed in crusher. |
| 7c | Different grade of mineral sorted out at mines | Within Mining lease area | Within Mining lease area | Usable grade and Mineral reject is being sorted out in mining lease area. |
| 7d | Any beneficiation process at mines | Nil | Nil | |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation issues | Mechanised crushing , sizing and screening done within the lease area. | | |

8.0 ENVIRONMENT

| SN | ITEM | PROPOSALS (2022-23) | ACTUAL WORK (2022-23) | REMARKS |
|-----------|---|---|--|--|
| 8a | Separate removal and utilization of topsoil (Rule 32) | Separate removal and utilization of topsoil proposed | Top soil stored along the lease boundary and it is being used for plantation | During the year 2022-23 total 1,84,021MT quantity was used for plantation. |
| 8b | Concurrent use or storage of topsoil | Separate stacking and utilisation during plantation | Top soil generate is being used. | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Separate dumps for overburden, waste rock, rejects are proposed | Separate dump for all type of waste is being maintained. 03 nos OB dump, 2 nos screen reject dumps are maintained. | |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | Nil | Nil | |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Nil | Nil | |
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 41) | Not specific. | During the year 2022-23: 2800 saplings Cumulative plantation: 255290 saplings | |
| 8g | Survival rate | | 79% | |
| 8h | Water sprinkling on roads to control airborne dust | 28KL and 12KL taker proposed for Water sprinkling on roads | 28KL and 12KL taker water tanker are being deployed for suppression air born dust on road. | Dedicated tanker for water sprinkling. |
| 8i | General remarks of inspecting officer | Top soil area separately stacked along lease boundary | | |

| | |
|---|--|
| on aesthetic beauty in and around mines are | as proposed and concurrently used for plantation purpose. During the year 2022-23 total 1,84,021MT quantity was used for plantation. |
|---|--|

9.0 COMPLIANCE OF RULE 45

| S. N. | Item | Details Given in A.R. | Observation of I/Officer | Remarks |
|-------|---|--|--|---------|
| 9 a | Status of submission of monthly and Annual returns | Monthly Returns submitted up to – July 2023, Annual Return for the year submitted on 29.06.2023. | Submitted on time. | |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Mining Engineer Shri. Ramesh Kumar Nakum Geologist Shri Kamlesh Chandrakar | Both were present during the inspection. | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | As per annual return Area covered in OC mining- 233.98 ha. Reclaimed & rehabilitated- 1.65- ha. Used for waste disposal- 58.816 ha. Occupied by plant, buildings etc- 8.098 Ha. Other purpose (mineral reject/subgrade stock)- 60.23 ha (1. Mineral Storage:0.4ha 2.Plantation-Virgin area under green belt) | Appears to be correct. | |
| 9d | Scrutiny of Annual return on afforestation | As per annual return Total 2800 nos of sapling planted in 1.1 ha with survival rate of 79% | Appears to be correct. | |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade & quantity) | As per annual return Mineral reject (screen reject) generated during the year is 2,19,839MT, cumulative- | -do | |

| | | 37,62,401 MT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|--|------------|----------|------|-----------|---------|---|-----------|-------|---|----------|---------|---|--------|-------|---|--------|------|----|--------|------|---|------------------|------------|---|------------------|------------|---|-------|--------|---|--------------|-------|---|--------------|-------|---|---------------|-----|---|---------------|------|---|--------------|-------|---|-------------|-----|---|------------|---|---|---------|---------|---|---------|--------|---|---|--|
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | ROM Opening & closing stock- Nil Grade-wise Opening & closing stock- Nil | -do- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production cost | As per annual return the Ex mine price is Rs 249.44/- per MT. The cost of price is same as this is a captive mine. | -do- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9i | Scrutiny of Annual return on fixed assets | As per annual return the fixed asset is Rs 262172001/- | -do- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9k | Scrutiny of Annual return on mining machineries | <table border="1"> <thead> <tr> <th>Equipments</th> <th>Capacity</th> <th>Nos.</th> </tr> </thead> <tbody> <tr> <td>Excavator</td> <td>6.5 CUM</td> <td>4</td> </tr> <tr> <td>Excavator</td> <td>4 CUM</td> <td>2</td> </tr> <tr> <td>Back Hoe</td> <td>3.2 CUM</td> <td>2</td> </tr> <tr> <td>Loader</td> <td>5 CUM</td> <td>1</td> </tr> <tr> <td>Dumper</td> <td>60 T</td> <td>12</td> </tr> <tr> <td>Dumper</td> <td>35 T</td> <td>2</td> </tr> <tr> <td>Blast Host Drill</td> <td>152 MM dia</td> <td>1</td> </tr> <tr> <td>Blast Host Drill</td> <td>115 MM dia</td> <td>2</td> </tr> <tr> <td>Dozer</td> <td>350 HP</td> <td>2</td> </tr> <tr> <td>Water Tanker</td> <td>12 KL</td> <td>2</td> </tr> <tr> <td>Water Tanker</td> <td>28 KL</td> <td>1</td> </tr> <tr> <td>Explosive Van</td> <td>8 T</td> <td>1</td> </tr> <tr> <td>Explosive Van</td> <td>7.3T</td> <td>1</td> </tr> <tr> <td>Motor Grader</td> <td>145HP</td> <td>1</td> </tr> <tr> <td>Road Roller</td> <td>10T</td> <td>1</td> </tr> <tr> <td>Other HEMM</td> <td>1</td> <td>1</td> </tr> <tr> <td>Crusher</td> <td>1600TPH</td> <td>1</td> </tr> <tr> <td>Crusher</td> <td>850TPH</td> <td>1</td> </tr> </tbody> </table> | Equipments | Capacity | Nos. | Excavator | 6.5 CUM | 4 | Excavator | 4 CUM | 2 | Back Hoe | 3.2 CUM | 2 | Loader | 5 CUM | 1 | Dumper | 60 T | 12 | Dumper | 35 T | 2 | Blast Host Drill | 152 MM dia | 1 | Blast Host Drill | 115 MM dia | 2 | Dozer | 350 HP | 2 | Water Tanker | 12 KL | 2 | Water Tanker | 28 KL | 1 | Explosive Van | 8 T | 1 | Explosive Van | 7.3T | 1 | Motor Grader | 145HP | 1 | Road Roller | 10T | 1 | Other HEMM | 1 | 1 | Crusher | 1600TPH | 1 | Crusher | 850TPH | 1 | Found in operation during the inspection. | |
| Equipments | Capacity | Nos. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Excavator | 6.5 CUM | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Excavator | 4 CUM | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Back Hoe | 3.2 CUM | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Loader | 5 CUM | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dumper | 60 T | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dumper | 35 T | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blast Host Drill | 152 MM dia | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blast Host Drill | 115 MM dia | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dozer | 350 HP | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Tanker | 12 KL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Tanker | 28 KL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Explosive Van | 8 T | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Explosive Van | 7.3T | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Motor Grader | 145HP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Road Roller | 10T | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other HEMM | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crusher | 1600TPH | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crusher | 850TPH | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

10- Details of violations observed during current inspection and compliance position of earlier violation

During the current inspection, no serious violation is observed.

Violations pointed out during the previous inspection

During the previous inspection dated 12.10.2022, no violation is pointed out.

Date: 19.10.2023

(D.Dash)

Regional Mining Geologist

