| Sl.N | PARTICULARS  | DETAILS   |  |
|------|--|---|--|
| 1    | File No.   |   |  |
| 2    | Name & Designation of the inspecting officer                           | Shri D. Dash , SMG  |  |
| 3    | Date of Inspection   | 11/11/2022  |  |
| 4    | Date of Last Inspection & Officer                                      | 07/03/2022, Shri Arun Kumar, RCOM   |  |
| 5    | Accompanying mine personnel  | <ol> <li>Mine Manager Shri Rakesh Singh</li> <li>Geologist- Shri Sanjay Shrivastav</li> <li>Geologist Shri S.N.Tripathi</li> <li>Astt. Manager- Shri Ajay Chaturvedi</li> </ol> |  |
| 6    | Name of the Mine   | Rajhara Mech Mine   |  |
| 7    | Total Lease Area (Ha) with<br>breakup of Non-forest and<br>forest land | Total Lease- 220.42 Ha (Pandridalli and RajharaPahar Lease)<br>Under Forest- 100.76 Ha, Non-forest- 119.66 Ha   |  |
| 8    | Mine code  | 30MPR13005  |  |
| 9    | IBM Registration Number under rule 45 of MCDR, 1988                    | IBM/5662/2011   |  |
| 10   | Name of the lessee, Address, phone, email and fax number               | STEEL AUTHORITY OF INDIA LIMITED (SAIL) BHILAI STEEL PLANT Ispat Bhawan, Lodhi Road, New Delhi -110003 director.rml.sail@gmail.com  |  |
|      | Village  | Pandridalli   |  |
|      | Taluka/Mandal  | Dondi   |  |
|      | District   | Balod   |  |
|      | Pincode  | 491228  |  |
|      | State  | Chhattisgarh  |  |
|      | Post office  | DalliRajhara  |  |
| 11   | Nearest police station   | DalliRajhara  |  |
| 12   | Nearest Railway station  | DalliRajhara  |  |
| 13   | Date of Grant of Mining Lease  | 01.06.1958  |  |
| 14   | Date of Execution  | 05.03.1962  |  |
| 15   | Date of opening of Mine  | 31.12.1959  |  |
| 16   | Weekly day of rest   | Wednesday   |  |
| 17   | Date of first Renewal, if applicable and its period & expiry           | 01.06.1988 to 31.05.1998  |  |
|      | Date of second Renewal, if applicable and its period &                 | 01.06.1998 to 27.04.2003  |  |

|    | expiry  | 28.04.2003 to 27.04.2023   |  |  |
|----|---|--|--|--|
| 19 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment  Name of the Mine Agent with Address, phone, email, fax number and date of appointment | Shri ANIRBAN DAS GUPTA Director I/c Bhilai Steel Plant 2 <sup>nd</sup> Floor,IspatBhawan, Sector-1, Bhilai, 490001 anirbandasgupta@sail.in, ph- 07882862001, Date of appointment- 31/07/2020 Shri Chintala SRIKANT, Agent cum GM (Mines),IOC Add-Room no-53, Administrative Building, IOC, Rajhara Post- DalliRajhara, Dist- Balod, Pin- 491228(C.G) Ph-9407982915, Email- schintala@sail.in Date of appointment- 04/08/2020 |  |  |
| 20 | Name of the Mines Manager<br>with Address, phone, email, fax<br>number and date of<br>appointment in mines  | Shri Rakesh Singh<br>Add-Room no-51, Administrative Building, IOC, Rajhara Post-<br>DalliRajhara, Dist- Balod, Pin- 491228(C.G)<br>Ph- 9407982855, Email- rakeshsingh1@sail.in<br>Date of appointment- 18/10/2018  |  |  |
| 21 | Name of the Mining Engineer,<br>Qualification and total<br>experience with Address,<br>phone, email, fax number and<br>date of appointment in mine                                | Shri Rakesh Singh Qualification-Degree In Mining Engineering, Experience- 15 yrs Add-Room no-51, Administrative Building, IOC, Rajhara Post- DalliRajhara, Dist- Balod, Pin- 491228(C.G) Ph- 9407983618, Email-rakeshsingh1@sail.in Date of appointment- 18/10/2018  |  |  |
| 22 | Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.   | S.K.SHRIVASTAVA M.Sc. M.Tech. M Phil (GEOLOGY) Experience- 25 yrs. Room No. 19 Administrative Building, IOC, Rajhara Post-DalliRajhara, Dist- Balod, Pin- 491228(C.G) Ph 9407984104, Email- sksrivastava2@sail.in Date of appointment- 18/10/2022  |  |  |
| 23 | Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.   | MINING PLAN – 9.01.2006<br>No 314(3)/2004-MCCM(CZ)/MP-23   |  |  |
| 24 | Date of Approval of Scheme of<br>Mining/Modified Scheme of<br>Mining with five-year period<br>and specific condition in<br>approval letter, if any.                               | Review of Mining Plan approved vide letter No. Balod/Iron/Mining/1146/2018 on Dated 25/05/18 for the period from 2018-19 to 2022-23  |  |  |
| 25 | Mineral(s) granted in lease and proved for mining   | HEMATITE (IRON ORE)  |  |  |
| 26 | Method of Mining (Opencast, Underground)  | OPENCAST   |  |  |

| 27 | Category (Fully Mechanized,        | FULLY MECHANISED  |
|----|------------------------------------|---|
|    | Others or Manual)                  |   |
| 28 | Captive/Non-Captive                | CAPTIVE   |
| 29 | EC for ROM Prod:<br>Date of Issue: | EC clearance not obtained. Matter is subjudice in High court of Bilaspur. |
| 30 | FA amount Rs<br>Valid up to:       | Rupees five crores valid up to 31.03.2023                                 |

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

# 1.0 EXPLORATION

| SN | ITEM   | PROPOSALS (2021-22)   | ACTUAL WORK<br>(2021-22) | REMARKS   |
|----|--|---|--------------------------|---|
| 1a | Backlog of previous year   | NIL   | (2021-22)<br>NIL         | Violation of Rule   |
| 1b | Exploration over lease area for Geological axis 1 or 2.            | 10 boreholes<br>during the<br>period from<br>2019-20 to<br>2020-21  | NIL                      | 11(1) of MCDR,<br>2017 was pointed<br>out during previous<br>inspection. The<br>lessee in his<br>response vide dated<br>30.03.222 |
| 1c | Exploration Agency & Expenditure in lakh Rupees during the year    | NIL   | NIL                      | informed about work order to be awarded. Violation  |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2     | NIL   | NIL                      | of 11 (1) of MCDR,<br>2017 is pointed out.  |
| 1e | Balance reserves as 01.04.<br>2022 (million tonnes)                | 16.099  | 20.19 MT                 |   |
| 1f | General remarks of inspecting officer on geology, exploration etc. | Exploration in form of 10 boreholes were proposed during the year 2019-20 to 2020-21 against which no exploration has been carried out. Violation of Rule 11(1) of MCDR, 2017 was pointed out during previous inspection. The lessee in his response vide dated 30.03.222 informed about work order to be awarded. Violation of 11 (1) of MCDR, 2017 is pointed out during the current inspection since the violation is outstanding. |                          |   |

#### **2.0 DEVELOPMENT**

| SN | ITEM  | PROPOSALS  | ACTUAL WORK                                    | REMARKS  |
|----|---|--|--|--|
| 2a | Location of development w.r.t. lease area   | (2021-22)<br>Co-ordinates<br>E9855, N7690  | (2021-22)<br>Co-ordinates<br>E9855, N7690      | Location of development of                                 |
|    |   | E9950, N7350<br>E10660, N7450<br>E10710, N8050   | E9950, N7350<br>E10660, N7450<br>E10710, N8050 | quarry as proposed.  |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15)                           | proposed   | Being maintained                               |  |
| 2c | Stripping ratio or ore to OB ratio  | 1:2.80   | 1:2.06   | The development of quarry is marginally lower side.        |
| 2d | Quantity of topsoil generation in Tonnes  | NIL  | NIL  |  |
| 2e | Quantity of overburden generation in m <sup>3</sup>                                     | 70,00000 tonnes (2021-22)  | 28,88, 909 T                                   | The waste handling is marginally lower side than proposed. |
| 2f | General remarks of inspecting officer on development of pit w.r.t. type of deposit etc. | The quarry development is on the location as per proposal in approved Mining Plan The waste handling is marginally on lower side due to less development which may be due to less demand for production of ore from captive steel plant. |  |  |

# **3.0 EXPLOITATION**

| S.N. | ITEM  | PROPOSAL<br>(2021-22)                      | ACTUAL WORK<br>(2021-22)     | REMARK   |
|------|---|--|------------------------------|--|
| 3a   | Number of pits proposed for production              | 01   | 01                           | As proposed.   |
| 3b   | Quantity of mineral production proposed             | 2556754 T (2020-21)<br>2500000 T (2021-22) | 1325773.44 T<br>1400157.90 T | The quantity of ore production is on lower side due to less demand from captive steel plant. |
| 3c   | Recovery of saleable/usable mineral from production | Full recovery                              | Full recovery                |  |
| 3d   | Quantity of mineral reject generation               | Nil  | Nil                          |  |
| 3e   | Grade of mineral reject generation                  | Nil  | Nil                          |  |

|     | and threshold value declared   |                        |                            |                |
|-----|--|------------------------|----------------------------|----------------|
| 3f  | Quantity of sub-grade mineral  | Nil                    | Nil                        |                |
|     | generation   |                        |                            |                |
| 3g  | Grade of sub-grade mineral   | Nil                    | Nil                        |                |
|     | generation   |                        |                            |                |
| 3h  | Manual / Mechanised method   | Mechanised             | Mechanised                 |                |
| 3i  | adopted for segregating from ROM   | 212                    | 814                        |                |
| 31  | Any analysis or beneficiation study proposed & carried out for sub-grade | NA                     | NA                         |                |
|     | mineral and reject   |                        |                            |                |
| 3j  | Provision of drilling & blasting in                                      | Blast hole drilling    | Blast hole drilling using  |                |
| 25  | mineral benches  | using IDM-30 & ICM-    | IDM-30 & ICM-260 drill     |                |
|     | inneral benefits   | 260 drill machines     | machines                   |                |
| 3k  | Provision of mining machineries in                                       | Hydraulic excavators,  | Hydraulic excavators,      |                |
|     | mineral benches  | Dump trucks, dozers,   | Dump trucks, dozers,       |                |
|     |  | grader.                | grader                     |                |
| 31  | Whether height of benches in   | YES                    | YES                        | Height of      |
|     | overburden and mineral suitable for                                      | (10 Mtrs.)             |                            | benches        |
|     | method of mining proposed in   | ,                      |                            | maintained as  |
|     | MP/SOM   |                        |                            | proposed.      |
| 3m  | Total area covered   | 184.74 Ha              | 111.97 Ha                  | As per         |
|     | under excavation/pits  |                        |                            | Annual         |
|     |  |                        |                            | return for     |
|     |  |                        |                            | the year       |
|     |  |                        |                            | 2021-22.       |
| 3n  | Ore to OB ratio for the pit/mine   | 1:2.80(T/T)            | 1:2.06 (T/T)               |                |
| - 2 | during the year  |                        |                            |                |
| 30  | Total area put in use under different                                    | Details attached in    |                            |                |
| 2   | heads at the end of year   | last page.             |                            |                |
| 3p  | Production of mineral during last five years period, as applicable       | 2018-19 2200000        | 2018-19 1459170            |                |
|     | (tones)  | 2019-20   2200000      | 2019-20 1248921            |                |
|     | (cones)  | 2020-21 2556754        | 2020-21 1325774            |                |
|     |  | 2021-22 2500000        | 2021-22 1400157.9          |                |
|     |  | 2022-23 3500000        | 2022-23 958078             | Up to month of |
|     |  | 2022 23   3300000      | 3330,0                     | Oct-2022       |
|     |  |                        |                            |                |
| 3q  | General remarks of inspecting  |                        | production is on lower sic | de due to less |
|     | officer on method of mining etc.   | demand from captive st | eel plant.                 |                |

# 4.0 SOLID WASTE MANAGEMENT-DUMPING

| SN | ITEM  | PROPOSALS ACTUAL WORK  |  | REMARKS  |
|----|---|--|--|--|
|    |   | (2021-22)  | (2021-22)  |  |
| 4a | Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)    | Overburden dump proposed   | Separate OB dump maintained.   | No top soil generation reported during the year.   |
| b  | Location of topsoil, OB &   | Dump-1   | Dump-1 & 2 (merged)  | A new dump has   |
|    | mineral reject dumps  | Between E 9000 to E9400 & N 7400 to N 7600  Dump- 2  E9400 to E9800 & N 7200 to N7400  Dump-3  E10800 to E 11200 & N 7000 to N7800 | Between E 9000 to E9800 & N 7200 to N 7800  Dump-3  E10800 to E 11200 & N 7000 to N7800E 9000 to 9400 & N 8000 to N 7800  Dump 4  E8600 to E9200  N7800 to N8200 | been developed on north western side of the lease against no such proposal.  Violation of Rule 11(1) of MCDR, 2017 is pointed out. |
| 4c | Number of dumps within lease area and outside lease area          | Within Lease 3   | Within Lease 4   |  |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16)             | Outside UPL  | Outside UPL  |  |
| 4e | Number of active & alive dumps                                    | 3  | 4  |  |
| 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          | 0.5 Km   | 1.5Km  |  |

| 4j | Number of settling ponds                | NIL   | NIL  |  |
|----|---|---|--|--|
| 4k | Specific comments of inspecting officer | backfilled area have been dumped on eastern developed on north we | n western side and wasten merged to form a single a side as proposed. But, a estern side of the lease at of Rule 11 (1) of MCDR, 2 | e dump. Waste have<br>new dump has been<br>rea against no such |

# 5.0 SOLID WASTE MANAGEMENT-BACKFILLING

| SN | ITEM                                   | PROPOSALS                                | ACTUAL WORK              | REMARKS               |
|----|--|--|--------------------------|-----------------------|
|    |  | (2021-22)                                | (2021-22)                |                       |
| 5a | Status on part or full extraction of   | Mined out                                | Mined out                |                       |
|    | mineral from mined out area before     |  |                          |                       |
|    | starting backfilling                   |  |                          |                       |
| 5b | Area under backfilling of mined out    | A .420*300*12                            | A 275*180*8              | Further waste         |
|    | area (ha)                              | B.380*160*12                             | B.200*120*8              | dumping have been     |
|    |  |  |                          | carried out on        |
|    |  |  |                          | backfilled area.      |
|    |  |  |                          |                       |
| 5c | Concurrent use of topsoil for          | NA                                       | NA                       |                       |
|    | restoration or rehabilitation of mined |  |                          |                       |
|    | out area (Rule 32)                     |  |                          |                       |
| 5d | Total area fully reclaimed &           | NA                                       | Nil                      |                       |
|    | rehabilitated                          |  |                          |                       |
| 5e | General remarks of inspecting officer  | Backfilling have be                      | een carried out as propo | osed. Further dumping |
|    | on backfilling, reclamation etc        | on backfilled area has been carried out. |                          |                       |
|    |  |  |                          |                       |

### **6.0 PROGRESSIVE MINE CLOSURE PLAN**

| SN | ITEM  | PROPOSALS        | ACTUAL        | REMARKS |
|----|---|------------------|---------------|---------|
|    |   | (2021-22)        | WORK          |         |
|    |   |                  | (2021-22)     |         |
| 6a | Whether Annual report on PMCP submitted on        | As per guideline | Submitted     |         |
|    | time and correctly - Rule 23E (2). Details should |                  |               |         |
|    | be given in the format as given in Annexure-20.   |                  |               |         |
| 6b | Management of worked/mined out benches            | NIL              | NIL           |         |
|    | i) Area available for rehabilitation (ha)         |                  |               |         |
|    |   |                  |               |         |
|    | ii) Afforestation done (ha)                       | NIL              | NIL           |         |
|    |   |                  |               |         |
|    |   |                  |               |         |
|    | iii) No. of saplings planted during the year      | 200              | 210 (within   |         |
|    |   |                  | ML)           |         |
|    |   |                  | 11700(outside |         |

|    | iv) Cumulative no. of plants  | 1200  | lease) 615 Nos.(within ML)   |   |
|----|---|---|--|---|
|    | v) Any other specific method of rehabilitation  | None  | None   |   |
|    | vi) Cost incurred on watch & care during the year   | Not specific  | Not furnished.   |   |
| 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 | A.420*300*12<br>B.380*160*12<br>Waste<br>100 =<br>plants(2020-21)<br>50 (2021-22)                                       | A 250*150*8<br>B.150*100*8<br>Waste                                | No plantation has been carried out in backfilled area against the proposal. |
| 6d | Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation  | 6500 2.50 ha Plantation   | Nil<br>Nil<br>Plantation   | Violation of<br>Rule 11 (1)<br>of MCDR,<br>2017 is<br>pointed out.          |
| 6e | Compliance of Environmental monitoring (core zone & buffer zone)  | Proposed  | complied   |   |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive  | No plantation ha<br>area against the<br>proposal of planta<br>area on waste lar<br>planation has bee<br>MCDR, 2017 is p | e proposal. Sination of 6500 saped during the year done. Violation | nilarly, against<br>plings in 2.5 ha<br>ear 2021-22, no                     |

# 7.0 MINERAL CONSERVATION

| SN | ITEM                                     | PROPOSALS   | ACTUAL WORK         | REMARKS           |  |  |  |  |  |
|----|--|---|---------------------|-------------------|--|--|--|--|--|
|    |  | (2021-22)   | (2021-22)           |                   |  |  |  |  |  |
| 7a | ROM Mineral dispatch or grade-wise       | ROM dispatch                                      | ROM dispatch        |                   |  |  |  |  |  |
|    | sorting within lease area                |   |                     |                   |  |  |  |  |  |
| 7b | Method of grade-wise mineral sorting     | NIL   | NIL                 |                   |  |  |  |  |  |
|    | i.e. manual or mechanical                |   |                     |                   |  |  |  |  |  |
| 7c | Different grade of mineral sorted out at | Nil   | Nil                 |                   |  |  |  |  |  |
|    | mines                                    |   |                     |                   |  |  |  |  |  |
| 7d | Any beneficiation process at mines       | No  | No                  |                   |  |  |  |  |  |
|    |  |   |                     |                   |  |  |  |  |  |
| 7e | General remarks of inspecting officer    | The run of mine ore after crushing and sizing are |                     |                   |  |  |  |  |  |
|    | on Mineral conservation &                | directly sent to                                  | plant for consumpti | on. No sorting is |  |  |  |  |  |
|    | beneficiation issues                     | carried out.                                      |                     |                   |  |  |  |  |  |

### **8.0 ENVIRONMENT**

| SN  | ITEM                                    | PROPOSALS                    | ACTUAL WORK       | REMARKS        |  |  |  |
|-----|---|------------------------------|-------------------|----------------|--|--|--|
|     |   | (2021-22)                    | (2021-22)         |                |  |  |  |
| 8a  | Separate removal and utilization of     | NA                           | NIL               | No top soil    |  |  |  |
|     | topsoil (Rule 32)                       |                              |                   | generation     |  |  |  |
| 8b  | Concurrent use or storage of topsoil    | Nil                          | Nil               | within the     |  |  |  |
| 0   |   | Duanasad                     | Daine maintained  | leasehold.     |  |  |  |
| 8c  | Separate dumps for overburden, waste    | Proposed                     | Being maintained. | Violation of   |  |  |  |
| 0.1 | rock, rejects and fines (Rule 33)       | Maria                        | <b>D</b>          | Rule 11(1) of  |  |  |  |
| 8d  | Use of overburden, waste rock, rejects  | Waste                        | Done as per       | MCDR, 2017     |  |  |  |
|     | and fines dumps for restoring the land  | generated is                 | proposal.         | is pointed out |  |  |  |
|     | to its original use                     | proposed for backfilling and |                   | for not        |  |  |  |
|     |   | further                      |                   | carrying out   |  |  |  |
|     |   | restoration                  |                   | planation on   |  |  |  |
|     |   | restoration                  |                   | backfilled     |  |  |  |
| 8e  | Phased restoration, reclamation and     | Backfilling is               | Done as proposed. | area during    |  |  |  |
|     | rehabilitation of lands affected by     | proposed.                    |                   | the year 2021- |  |  |  |
|     | mining operations (Pits, dumps etc)     |                              |                   | 22.            |  |  |  |
| 8f  | Baseline information on existence of    | 2000 fruit plants            | Within ML =0      |                |  |  |  |
|     | plantation & additional plantation done | in 5 ha area as              | Outside ML =11500 |                |  |  |  |
|     | (Rule 41)                               | on 01.04.2018.               | Total =11500      |                |  |  |  |
|     |   | Additional                   |                   |                |  |  |  |
|     |   | plantation of 50             |                   |                |  |  |  |
|     |   | saplings                     |                   |                |  |  |  |
|     |   | proposed within              |                   |                |  |  |  |
|     |   | the leasehold.               |                   |                |  |  |  |
| 8g  | Survival rate                           | Nil                          | Survival rate     |                |  |  |  |
|     |   |                              | = 97%(Within ML)  |                |  |  |  |

|    |   |  | =90%(Outside lease |  |  |  |  |  |  |
|----|---|--|--------------------|--|--|--|--|--|--|
| 8h | Water sprinkling on roads to control airborne dust                                | Proposed   | Being done         |  |  |  |  |  |  |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines are | No top soil generation within the leasehold. Violation of Rule 11(1) of MCDR, 2017 is pointed out for not carrying out planation on backfilled area during the year 2021-22. |                    |  |  |  |  |  |  |

# 9.0 COMPLIANCE OF RULE 45

| S.<br>N. | Item  | Details GIVEN in A.R.   | Observation of I/Officer  | Remarks |
|----------|---|---|---------------------------|---------|
| 9 a      | Status of submission of monthly and Annual returns  | Annual return for the year 2021-22 is submitted on 28.06.2022. Monthly reruns have been submitted up to November, 2022.   | Submitted on time.        |         |
| 9b       | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | Shri Rakesh Singh, Mining Engineer<br>Shri Sanjay Srivastava , Geologist  | Present during the visit. |         |
| 9c       | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Covered under current (O/C)  Workings: 111.970 ha, Reclaimed/Rehabilitated : 24.480 ha, Used for waste disposal: 38.260 ha, Occupied by plant, buildings, residential, welfare buildings & roads : 3.820 ha | Appears to be correct.    |         |
| 9d       | Scrutiny of Annual return on afforestation  | Within ML area: 210 saplings Outside ML: 11, 700 saplings   | Appears to be correct.    |         |
| 9e       | Scrutiny of Annual return on mineral reject generation (Grade & quantity)                     | Mineral rejects : Nil   | Appears to be correct.    |         |
| 9f       | Scrutiny of Annual return on ROM stock and/or graded ore                                      | Opening stock: 54704.200 tonnes,<br>Closing Stock: 6107.68 tonnes   | Appears to be correct.    |         |
| 9g       | Scrutiny of Annual return on sale value, Ex. Mine price & production cost                     | Ex Mine price: Rs 2163 same as cost of production since this is a captive mine.   | Appears to be correct.    |         |

| 9i | Scrutiny of return on fixed a     | Annual           | Fixed assets: Rs 395937977   | Appears to be correct. |  |
|----|-----------------------------------|------------------|--|------------------------|--|
| 9k | Scrutiny of return on machineries | Annual<br>mining | CRUSHER 900.000 T/H 1 Electrical Opencast CRUSHER 750.000 T/H 1 Electrical Opencast BLAST HOST DRILL 152.000 MM 3 Non Electrical Opencast WATER TANKER 28000.000 LITRE ,2 Non Electrical Opencast MOTOR GRADER 164.000 HP 1 Non Electrical Opencast DOZER 410.000 HP 4 Non Electrical Opencast DUMPER 60.000 TONNE 6 Non Electrical Opencast DUMPER 50.000 TONNE 3 Non Electrical Opencast SHOVEL (HYDRAULIC) 5.000 CUM 2 Non Electrical Opencast SHOVEL (HYDRAULIC) 4.500 CUM 4 Non Electrical Opencast | Appears to be correct. |  |

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

The details of violations observed during the current inspection as below:

| नियम  | उल्लंघन के प्रकार का ब्यौरा   |  |  |  |  |  |  |  |  |  |  |
|-------|---|--|--|--|--|--|--|--|--|--|--|
| 11(1) | The mining operations are required to be carried out in accordance with the Mining Plan             |  |  |  |  |  |  |  |  |  |  |
|       | approved, modified or reviewed by Indian Bureau of Mines. However, the mining operations have       |  |  |  |  |  |  |  |  |  |  |
|       | not been observed carried out in accordance with Review & updation of Mining Plan approve           |  |  |  |  |  |  |  |  |  |  |
|       | vide letter No. Balod/Iron/Mining/1146/2018 on Dated 25/05/18 for the period from 2018-19           |  |  |  |  |  |  |  |  |  |  |
|       | 2022-23 to the extent indicated below:  |  |  |  |  |  |  |  |  |  |  |
|       | (i) Exploration by drilling of 10 boreholes were approved during the period from 2019-20 to         |  |  |  |  |  |  |  |  |  |  |
|       | 2020-21. However, against which no exploration has been reported carried out.                       |  |  |  |  |  |  |  |  |  |  |
|       | Violation in this respect was pointed out vide this office letter dated 06.04.2022. Y               |  |  |  |  |  |  |  |  |  |  |
|       | same has not been complied with so far.   |  |  |  |  |  |  |  |  |  |  |
|       | (ii) 7.5 m area within & along the lease boundary (safety zone) was found to be encroached          |  |  |  |  |  |  |  |  |  |  |
|       | by carrying out excavation at number of places that is between boundary pillar 49E                  |  |  |  |  |  |  |  |  |  |  |
|       | 36A to 49A, 37 to 38, 38 to 51 and 51 to 52 without such approval.                                  |  |  |  |  |  |  |  |  |  |  |
|       | (iii) A new waste dump has been developed on north western side of the lease without such approval. |  |  |  |  |  |  |  |  |  |  |
|       | (iv) No plantation has been carried out on backfilled area against approval of 50 saplings          |  |  |  |  |  |  |  |  |  |  |
|       | during the year 2021-22. Further, against approval of plantation of 6500 saplings in 2.5            |  |  |  |  |  |  |  |  |  |  |
|       | ha area on waste land during the year 2021-22, no planation has been done.                          |  |  |  |  |  |  |  |  |  |  |

Violations pointed out during the previous inspection During the previous inspection dated 08.03.2022 by Shri Arun Kumar, RCOM , violation of 11(1) of MCDR, 2017 was pointed out. The violation is still outstanding.

| Date: |  |  |  |  |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|--|--|--|--|
|       |  |  |  |  |  |  |  |  |  |  |

(D.Dash)

Regional Mining Geologist