INDIAN BUREAU OF MINES MINERALS DEVELOPMENT AND REGULATION DIVISION MCDR INSPECTION REPORT BHUBANESWAR REGIONAL OFFICE

General:

| SL. No. | Particulars | Details |
|---------|---|--|
| 1 | Name of the Mine | Joda East Iron Mine |
| 2 | Date of inspection | 27/10/2024 |
| 3 | Name of inspecting officer | Prashant S Hegde, RMG |
| 4 | Name accompanying mine | S/Shri Rajesh Kumar, Agent, Haridrumat |
| | officials | Behera, Mines Manager Cum Mining Engineer, |
| | | Pinku Kumar,QP, Biplab Kumar Mahato, |
| | | Geologist and other mine officials. |
| 5 | Last date of Inspection & Officer | 13/07/2023 |
| | - | Shri R. K. Das, DCOM |
| 6 | Total Lease Area (Ha) with breakup | 671.093 Ha. (625.48 Ha Forest + 45.613 Ha |
| | of Non-forest and forest land | Non- forest) |
| 7 | Minecode | 30ORI08027 |
| 8 | IBM Registration Number under rule | IBM///376/2011 |
| | 45 of MCDR, 2017 | 1DW/4370/2011 |
| 9 | Name of the lessee, Address, | M/s Tata Steel Limited, |
| | phone, email and fax number | 24 Homi Mody Street, |
| | | Fort. Mumbai-400001, |
| | | Ph No.: 9262699402 |
| | | Fax: 06767-272010 |
| | | Email id: <u>ceo_md_office@tatasteel.com</u> |
| 10 | Village | Joda, Kamarjoda, Banspani, Khuntpani & |
| | | Baitarni R.F |
| 11 | Taluka/Mandal | Barbil |
| 12 | District | Keonjhar |
| 13 | Pincode | 758034 |
| 14 | State | Odisha |
| 15 | Post office | Joda |
| 16 | Nearest police station | Joda |
| 17 | Nearest Railway station | Banspani |
| 18 | Date of Grant of Mining Lease | 01.07.1925 |
| 19 | Date of Execution | 01.07.1925 |
| 20 | Date of opening of Mine | 1956 |
| 21 | Date of expiry | 31.03.2030 |
| 22 | Name of the Nominated Owner with | Mr. T. V. Narendran |
| | Address, phone, email, fax number | Northern Town, Jamshedpur, |
| | and date of appointment | P.O: Bistupur, Dist: East Singhbhum, |
| | | Jharkhand- 831001, |
| | | Phone No: 0657-2424602 |
| | | Email id: <u>narendran@tatasteel.com</u> |
| | | Date of appointment: 01.11.2013 |
| 23 | Name of the Mine Agent with | Mr. Rajesh Kumar |
| | Address, phone, email, fax number | Joda East Iron Mine, At/PO; Joda |
| | and date of appointment | Dist: Keonjhar |
| | | Phone No: - 9234612797 |
| | | rajesh.kumar1@tatasteel.com |
| | | Date of appointment: 08.06.2023 |

| 24 | Name of the Mines Manager with | Mr. Haridrumat Behera |
|----|---|--|
| | Address, mobile no, email, fax | Qualification: B. Tech in Mining Engineering |
| | number and date of appointment in | Total Experience: 32 Years |
| | mine | Joda East Iron Mine, At/PO; Joda |
| | | Dist: Keonjhar |
| | | Phone No: - 9238087091 |
| | | haridrumat@tatasteel.com |
| | | Date of appointment: 15.04.2024 |
| 25 | Name of the Mining Engineer , | Mr. Haridrumat Behera |
| | Qualification and total experience | Qualification: B. Tech in Mining Engineering |
| | with Address, mobile no, email, | Total Experience: 32 Years |
| | fax/phone number and date of | Joda East Iron Mine, At/PO; Joda |
| | appointment in mine | Dist: Keonjhar |
| | | Phone No: - 9238087091 |
| | | haridrumat@tatasteel.com |
| | | Date of appointment: 15.04.2024 |
| 26 | Name of the Geologist , Qualification | Mr. Biplab Kumar Mahato |
| | and total experience with Address, | Qualification: MSc. In Applied Geology |
| | mobile no, email, fax number and | Joda East Iron Mine, At/PO; Joda |
| | date of appointment in mine | Dist: Keonjhar |
| | | <u>biplab.mahato@tatasteel.com</u> |
| | | Date of appointment: 15.05.2024 |
| 27 | Date of Approval of Mining | 1) Approved Review Mining Plan No. |
| | Plan/Review of Mining Plan/ their | RMP/A/45-ORI/BHU/2019-20 dated |
| | modifications with five-year period | 21/02/2020 for period 2021-22 to 2024-25 |
| | and specific condition in approval | 2) Next draft RMP submitted on 27/09/2024 |
| | letter, if any. | and same was under process. |
| 28 | Mineral (s) granted in lease and | - |
| | proved for mining | Iron ore |
| 29 | Method of Mining(Opencast, | Opencast |
| | Underground) | openeuse |
| 30 | Category (Fully Mechanised, Others or Manual) | Fully Mechanized |
| 31 | Captive/Non Captive | Captive |
| 32 | Present EC Capacity | 19.5 MTPA of ROM (with Beneficiation plant |
| | | throughput capacity of 17.6 MTPA) (Grant |
| | | dated 13/04/2023) |

OBSERVATIONS/COMMENTS OF INSPECTING OFFICER:

1)Exploration:---

| SL.No | Item | Proposals | Actual work | Remarks |
|-------|-----------------------------|----------------|-----------------|--------------------|
| | | (FY 2023-24) | | |
| 1a | Backlog of previous year | FY: 23-24: NIL | NIL | NIL |
| | | FY:2024-25: | | |
| | | NIL | | |
| | | | | |
| 1b | Exploration over lease area | NIL | G-1: 291.50 Ha; | As on date of |
| | for Geological axis 1 or 2. | | (Entire | inspection) |
| | | | Potentially | (Total Potentially |
| | | | mineralized | mineralized area : |
| | | | area explored | 291.50 Ha+ non- |

| | | | under G-1) | mineralized area: 379.593 Ha) |
|-----|--|---|---|--|
| 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 (Entire Potential mineralized area explored under G-1) | NIL |
| 1e | Balance reserves as on 01.04.2024 | NA | Iron Ore (+ 45 % Fe) Reserves (111+121+122) : 133.24 million tonnes | Based on approved RMP dated 21/02/2020 and AR |
| 1f: | General remarks of inspecting Officer on Geology, exploration etc. | Joda East iron of Singhbhum-Orissa the area are Band cherty quartzites, exploration data th Iron ore body: 400 Entire Potentially under G-1. | leposit lies in the Craton. The princ ded Hematite Jasp laterite, hematitic le configuration of 0 m X 830m X 35r mineralized area | e western portion of cipal rocks met within er (BHJ), shales and iron ores. Based on ore body as follows. n was already explored |

2)Development:--

| SL. | Item | Proposals (FY 2023-24) | Actual work | Remarks |
|-----|--------------|------------------------------|---------------------------|------------|
| No. | | | | |
| 2a | Location of | North Pit | North Pit | |
| | developme | N: 3220 to 4410 | N: 3307 to 4253 | |
| | nt w.r.t. | E: 1500 to 2350 | E: 1547 to 2241 | |
| | lease area | | | |
| | | South Pit | South Pit | |
| | | N: 1400 to 2650 | N: 1588 to 2637 | |
| | | E: 1550 to 2450 | E: 1605 to 1935 | |
| | | | Within the proposed area. | |
| 2b | Separate | Separate benches in | As per proposal | |
| | benches in | overburden and minerals ; No | | |
| | topsoil, | top-soil generation | | |
| | overburden | | | |
| | and | | | |
| | mineral | | | |
| 2c | Stripping | 1:0.066 | 1: 0.064 | Ratio in |
| | ratio or ore | | | M3/tonnes |
| | to OB ratio | | | |
| 2d | Quantity of | No proposals | Nil | |
| | topsoil | | | |
| | generation | | | |
| | in m3 | | | |
| | | | | |
| 2e | Quantity of | 1,220,000 | 758,854 | Within the |
| | overburden | | | limit. |

| | generation in m3 | |
|----|---------------------|--|
| 2f | General | Developments of pits are being carried out as per approved RMP. Next draft |
| | remarks of | RMP submitted on 27/09/2024 and same was under process. |
| | inspecting | |
| | Officer on | |
| | developme | |
| | nt of pit | |
| | w.r.t. type | |
| | of deposit | |
| | etc | |

3)Exploitation:--

| SL.No. | Item | Proposals (FY 2023-24) | Actual work | Remarks |
|--------|--|--|---|---|
| 3a | Number of pits proposed for production | Two pits | Two pits | North Pit and South Pit |
| 3b | Quantity of ROM mineral production proposed | 18,600,000 Tonnes | 11,850,399 Tonnes (Due to enhancement of EC granted recently and other statutory clearances yet to be obtained.) | Within the limit |
| 3с | Recovery of salable/usab le mineral from ROM production | 94.6 % ; 17,600,000 tonnes (+58 % Fe) | 93.3 %; 11,054,099 tonnes (+58 % Fe) | |
| 3d | Quantity of mineral reject generation | 1,000,000 tonnes | 796,300 tonnes | 639,625 tonnes utilized by blending during FY 2023-24. |
| Зе | Grade of mineral reject generation and threshold value declared | Iron ore: 45 to 58 % Fe | Iron ore: 45 to 58 % Fe | Threshold value of Iron Ore : +45 % Fe |
| 3f | Quantity of sub-grade mineral generation | Same as para 3d | | Sub-grade mineral/ mineral reject are |
| 3g | Grade of sub-grade mineral generation | Same as para 3e | | being stacked separately and part being |

| | | | | utilized by |
|----|---|---|--|------------------------|
| | | | | blending. |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Mechanized | Mechanized | |
| 3i | Any analysis or beneficiatio n study proposed & carried out for sub- grade mineral and reject | Nil | NIL | |
| Зј | Provision of drilling & blasting in mineral benches | Deep Hole Drilling Dia:- 165 mm Depth: - 10 m Spacing: - 4.0 to 4.3 m Burden: - 3.5 to 4.0 m Explosive used: - SME | As per proposals. | |
| 3k | Provision of mining machineries in mineral benches | Yes, mining by Shovel (5.9 m3) and Dumper (100 T) combination. | As per proposals. | |
| 31 | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | 9m bench height with 9 to 25 m width | As per proposals. | |
| 3m | Total area covered under excavation/ pits | 251.187 Ha (End of plan period with reduction area for other mining activities) | 292.938 Ha (other mining activities utilization reduced due to limited excavation as compare to proposals) | |
| 3n | Ore to OB ratio for the pit/mine during the year | 1:0.066 | 1: 0.064 | Ratio in M3/ tonnes |

| 30 | Total area put in use under | Particulars | Total Area(Ha) at the end of Plan period | Particulars | Total Area(Ha) at the end of FY 2023-24 | |
|----|-----------------------------------|--|---|---|--|---------------|
| | heads at the | Area under Mining | 251.187 | Area under Mining | 292.938 | |
| | end of year | Overburden/ Waste | 59.725 | Overburden/ Waste dumping | 42.379 | |
| | | Mineral Storage | 110.548 | Mineral Storage | 62.44 | |
| | | Infrastructure (Occupied by plants | 125.365 | Infrastructure (Occupied by plants buildings & roads | 88.409 | |
| | | buildings & roads | | Within the limi | t. | |
| Зр | Production | | | | | Unit: In |
| | of ROM | 2019-20: 1 | 2,000,000 | 2019-20: 1 | 0,957,291 | tonnes |
| | mineral | 2020-21: 1 | 2,300,000 | 2020-21: 1 | 1,930,921 | |
| | during last | 2021-22: 1 | 5,900,000 | 2021-22: 1 | 1,465,323 | |
| | five-years | 2022-23: 1 | 9,500,000 | 2022-23: 1 | 1,993,518 | |
| | period, as applicable | 2023-24: 1 | 8,600,000 | 2023-24: 1 | 1,850,399 | |
| | | | | | | |
| Зq | General rema | rks of inspecti | ng Officer on | Open-cast fi | ully mechani | zed mining |
| | method of mir | ning etc | | method is bei | ng carried as | per approved |
| | | | | RMP. The en | chancement of | EC granted |
| | | | | recently and o | ther statutory c | learances yet |
| | | | | to be obtai | ined. Next | aratt RMP |
| | | | | under process | 27709/2024 ai | na same was |

4)Solid Waste Management-Dumping:--

| SL.N | Item | Proposals (FY 2023-24) | Actual work | Remarks |
|------|--|--|----------------------------------|---------|
| 0. | | | | |
| 4a | Separate dumping of topsoil, OB & mineral reject | No top soil generation; Separate dumping/backfilling of OB & mineral reject proposed. | As per proposals. | |
| 4b | Location | (1)OB materials proposed to | (1)OB materials proposed to | |
| | of | Backfilling at Back-Filling | Backfilling at Back Filling Area | |
| | topsoil, | Area i.e. Waste Dump 2(N: | i.e. Waste Dump 2 | |
| | OB & | 3487 to 3630 ; E: 1333 to | N: 3494 to 3621 | |
| | mineral | 1703) | E: 1438 to 1674 | |
| | reject | and waste dump No-4(N: | | |
| | dumps | 4835 to 5225;E: 1069 to | (2)Mineral Reject Dumps/Stacking | |
| | | 1093) | in Mineral Reject-1A(N: 3951 to | |
| | | (2)Mineral Reject | 4126;E: 1345 to 1375) | |
| | | Dumps/stacking at Mineral | As per the proposals and within | |
| | | Reject-1A(N: 3945 to 4128; | limit considering quantity of | |

| | | E: 1343 to 1382) and Mineral Reject-3 (N: 4821 to 5066 ; E: 1276 to 1336) | generation | |
|----|--|--|---|------------|
| 4c | Number of dumps within lease area and outside lease area | Inside LeaseOB4 nosMineral reject3 nosOutside LeaseNIL | As per proposals. | |
| 4d | Location of dumps w.r.t. ultimate pit limit | Proposed outside the pit limit except back-filling WD no-2 and Mineral reject -1A as these located at ore exhausted part of pit. | As per proposals. | |
| 4e | Number of active & alive dumps | OB dumps: 3 nos Mineral reject dumps: 3nos | As per proposals. | |
| 4f | Number of dead dumps | One (Waste Dump No-1) | As per proposals. | |
| 4g | Number of dumps stabilishe d | One (Waste Dump No-1) | As per proposals. | |
| 4h | Whether Retaining wall or garland drain all along dumps are there | Yes, proposed | Proposals carried out as per approved RMP and well maintained. | |
| 4i | Length of Retaining wall or garland drain all along dump | Retaining wall- 1345 m Garland drain- 1345 m | Retaining wall- 919 m Garland drain- 919 m (Less generation of OB wastes /mineral reject quantity as compare to proposals.) | |
| 4j | Number of settling ponds | One | One | |
| 4k | Specific comment s of inspectin g Officer | Overburden wastes and mineral the approved proposals. | l reject management are being carried | out as per |

5)Solid Waste Management-Backfilling:--

| SL.No | Item | Proposals (FY 2023-24) | Actual work | Remarks |
|-------|---|---|--|--|
| 5a | Status on part or full extraction of mineral from mined out area before starting backfilling | Back-filling proposed at exhausted part pits. (Back- Filling Area i.e. Waste Dump No- 2(N: 3487 to 3630 ; E: 1333 to 1703) | As per proposals. | |
| 5b | Area under backfilling of mined out area | 6.9 Ha | 3.49 Ha Lesser backfilling one due to less OB excavation. | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area | Nil | Nil | Topsoil encountered is being utilized for plantation. |
| 5d | Total area fully reclaimed & rehabilitated | NIL | NIL | NIL |
| 5e | General remarks of inspecting Officer on backfilling and reclamation etc | Backfilling is b proposals. As rep in ML was 11.04 | eing carried out as p oorted, total cumulative Ha. | er the approved back-filled area |

6)Progressive Mine Closure Plan:---

| SL.N. | Item | Proposals (FY | Actual work | Remarks |
|-------|-------------------------|--------------------------------|-------------------|------------------|
| | | 2023-24) | | |
| 6a | Whether Annual report | Before 1 st July of | Submitted on time | NIL |
| | on PMCP submitted on | 2024 | | |
| | time and correctly - | | | |
| | Rule 26(2). (Hard copy | | | |
| | same provided) | | | |
| 6b | Management of worked/ | | | 9240 nos |
| | mined out | i)2.02 | i)2.21 | saplings |
| | benches/dumps | | | planted over |
| | i) Area available for | ii)2.02 Ha | ii)2.21 Ha | dumps |
| | rehabilitation (ha) | | | /backfilled area |
| | ii) Afforestation done | iii)5067 nos | iii) 9240 nos | during FY 23- |
| | (ha) | | | 24. |
| | iii) No. of saplings | iv) NAs | iv)4,87,282 nos | |
| | planted during the year | | (within ML) | |

| | iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year | v)Plantation vi) NA | v) Plantation vi) Rs 25.5 lakhs | |
|----|--|---|--|---|
| 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 | i) 1.79 million cum.m. (including tailing of 0.57million cum. m.) ii) 1.79 million cum.m iii) NIL iv)Nil v)NA | i) 1.1 million cum.m ((including tailings of 0.32 million cum. m) ii) 1.1 million cum. m (including tailings of 0.32 million cum. m.) iii) NIL iv)Nil v)NA | Within the proposals; 634,168 tonnes ie.317,084 cum. m of tailings disposed at In-pit slime Dam No-2 during FY-23- 24 as proposed. |
| 6d | Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation | i)NIL ii)Nil iii)Nil | i)NIL ii)Nil iii)Nil | 9240 nos of sapling planted during FY 2023-24. |
| 6e | Compliance of Environmental monitoring (core zone & buffer zone) | Environmental monitoring in Core zone and buffer zone will be as per MOEFCC and SPCB guidelines. | Environmental monitoring in Core zone and buffer zone was carried out as per the proposals and parameters are within the limit. | NIL |
| 6f | General remarks of inspecting Officer on PMCP compliance & progressive closure operation etc | Lessee has implem approved RMP. | enting PMCP proposals | s as per |

7)Mineral Conservation:---

| SL.No | Item | Proposals (FY 2023-24) | Actual work | Remark |
|-------|--|--|------------------|--------|
| | | | | s |
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | Ore/mineral sorting by Dry crushing & screening and wet beneficiation Plants within lease area. | As per proposals | NIL |

| 7b | Method of grade-wise mineral sorting i.e. manual or mechanica l | Mechanical | Mechanical | NIL |
|----|---|---|---|-----|
| 7c | Different grade of mineral sorted out at mines | Iron Ore of different size (CLO & Fines) and grade for their captive steel plant (Iron Grade range- 62- below 65% Fe and above 65 % Fe; | As per proposals (Fines: 62 to below 65 % Fe and 65 % & above Fe ; CLO (10-40 size; 62 to below 65 % Fe, and 65% & above Fe) | NIL |
| 7d | Any beneficiation process at mines | Wet beneficiation plant of 7 MTPA with Jigging and Hydro cyclone circuit and Dry Plant of 5 MTPA Capacity. | Wet beneficiation plant of 7 MTPA with Jigging and Hydro cyclone circuit and Dry Plant of 5 MTPA Capacity. | |
| 7e | General remarks of inspecting Officer on mineral conservation & beneficiation issues | After dry and wet mineral processing, ore/mineral/product dispatches to their captive steel plants as per the proposals and there is no mineral conservation issue. Proposals of enhancement upto 9 MTPA of dry Mineral Processing Plant and enhancement upto 10.5 MTPA of Wet Mineral Processing Plant, were under progress. | | |

8)Environment:--

| SL.No. | Item | Proposals (FY 2023-24) | Actual work | Remarks |
|--------|---|--|-------------------------------------|--|
| 8a | Separate removal and utilization of topsoil | No such proposals. | Nil | Topsoil encountered was stacked separately and utilized for plantation |
| 8b | Concurrent use or storage of topsoil | No such proposals. | Nil | do |
| 8c | Separate dumps for overburden, waste rock, rejects and fines | Separate dumping/ backfilling of OB wastes and dumping/stacking of mineral rejects proposed | Carried out as per proposals. | Nil |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | OB Wastes will used for back- filling at exhausted portion of pit (ie. DUMP no-2); Mineral reject will be stacked separately at | Carried out as per the proposals | Nil |

| | | Mineral reject stock No A1 | | |
|----|--|--|--|---------------------------------|
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Back-filling proposed to be carried out over 6.9 Ha area of exhausted pit (i.e Dump No-2) | 3.49 Ha Lesser backfilling due to less OB excavation. | Within the limit. |
| 8f | Baseline information on existence of plantation & additional plantation done | Area proposed for plantation: 2.02 ha No. of saplings to be planted: 5067 nos | Area under plantation (FY'23- 24): 2.21 ha No. of saplings planted: 9240 nos Cumulative area under plantation: 31.58 ha Cumulative nns. Of plants within the lease: 4,87,282 | |
| 8g | Survival rate | NA | 85 % | |
| 8h | Water sprinkling on roads to control airborne dust | Regular sprinkling of water on Haul roads, dumping/backfillin g area and dry/wet beneficiation Plants area using Water tankers and fixed water sprinklers to suppress the dust. | Carried out as per the proposals. | |
| 8i | General remarks of inspecting Officer on aesthetic beauty in & around mines area. | Aesthetic beauty in a implementing the plantation as per the | & around mines area is PMCP proposal and proposals. | good as lessee l carried out |

9)Compliance of Rule 45

| SL.No. | Item | COMMENTS | | |
|--------|--|-------------------------------------|-------------------------------------|----------|
| | | | | Remarks. |
| 9a | Status of submission of Monthly and Annual returns | Regularly submitting the | MRs/ARs on-time. | Nil |
| S.N. | Item | Details GIVEN in A.R. | Actual in field | |
| 9b | Scrutiny of Annual return for information | Mining Engineer Cum Manager: Mr. | Mining Engineer Cum Manager: Mr. | |

| | on Mining Engineer, Geologist and Manager | Haridrumat Behera Geologist: Mr Sanjay Kumar Bhuyan | Haridrumat Behera Geologist: Mr. Biplab Kumar Mahato (DOA on 15.05.2024) | |
|----|---|---|---|--|
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Covered under current (O/C) Workings- 292.938 Ha Used for Waste Disposal-42.379 Ha Occupied by plant, buildings, residential, welfare, buildings and roads-88.409 Ha Other Purpose (Mineral Storage+ Tailing pond)- 195.528 Ha | Actual also as per AR | |
| 9d | Scrutiny of Annual | 9240 nos within ML | Actual also as per AR. | |
| 9e | Scrutiny of Annual | and 270 nos outside ML During year-23-24 | | |
| | return on mineral reject generation (Grade & quantity) | Iron 7,96,30 58 % Fe 0 tonnes with avg. 55.42 % Fe) Iron Processed Ore (45-58 6,34,16 % Fe with 8 tonnes avg. 53.86 % Fe) | Actual also as per AR. | |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | As on 31.03.2024 tonnes Stock Iron ROM:663,976 Fines closing stock in tonnes | Appear to be correct. | |
| | | below 172,001 65% 65% and 3642 | | |
| | | above CLO stock in tonnes | | |
| | | 62%- below 65% Fe (10-40 mm) 65% | | |
| | | and above 46355 (10- 40mm) | | |

| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production cost | Iron Ore Ex-Mine Price and cost of production: Rs-1965.28 per tonne; | Cost of production calculation was not matching | V/L issued. |
|----|--|---|---|----------------|
| 9i | Scrutiny of Annual return on fixed assets | Fixed Value of Assets: Rs 448,17,55,952 | Appear to be correct | |
| 9k | Scrutiny of Annual return on mining machineries | Shovel (Hydaulic) 5.9 cum.m : 5 nos; Rock Hole Drill: 5 nos; Front end Loader:2 nos; Dumpers (100 T):15 nos ; Water tanker: 2 nos; Dozer: 3 nos Motor Grader: 2 nos. Crane: 2 nos | Observed to be correct | |

(10)Violation observed during current inspection and compliance position of earlier violation pointed out:

(a)Compliance position of earlier violation pointed out: No violation of rules pointed out during last inspection dated 13/07/2023.

(b)During current inspection: The violation of Rule 45 (7) of MCDR 2017 has been observed and the violation letter issued on 08/11/2024.

Date:08/11/2024

(Prashant S. Hegde) Regional Mining Geologist