MCDR INSPECTION REPORT

1.0 GENERAL

| SI.N | PARTICULARS | DETAILS |
|------|---|---|
| 1 | File No. | CHG/DNT/FE-1/30CHG03002 |
| 2 | Name & Designation of the inspecting officer | Shri Rudra N. Mishra, |
| | | Senior Mining Geologist |
| 3 | Date of Inspection | 11/12/2021 (MCDR) |
| 4 | Accompanying mine personnel | Shri Vinak Tiwari, General Manager, |
| | | Geology, |
| | | Shri Vivek Kumar, Dy. General Manager, |
| | | B.E (Mining) |
| 5 | Date of Last Inspection & Officer | 04/03/2021, Shri R.K. Das (Sr. ACOM) |
| 6 | Name of the Mine | Bailadila Iron Ore Mines, Kirandul |
| 7 | Total Lassa Area (Ha) with breakup of non-forest | Complex, DEP-11 ML Forest Land: 874.924 Ha |
| / | Total Lease Area (Ha) with breakup of non-forest | Non-Forest Land: Nil |
| | and forest land | Total Land: 874.924 Ha |
| 8 | Mine code | 30CHG03002 |
| 9 | IBM Registration Number under rule 45 of | IBM/270/2011 |
| | MCDR, 2017 | |
| 10 | Name of the lessee, Address, phone, email and fax | NMDC Ltd, 10-3-311/A, Castle hills, |
| 10 | number | Masab tank, Hyderabad, Telangana |
| | humber | Ph.no: 040-23538704 |
| | | e-mail: nmdchyd@hd1.vsnl.net, |
| | | dkmohanty123@nmdc.co.in |
| | | fax: 040-23538705 |
| | Village | Kirandul |
| | Taluka/Mandal | Bade Bacheli, |
| | District | Dantewada |
| | Pin code | Kirandul, 494556 |
| | State | Chhattisgarh |
| | Post office | Kirandul |
| 11 | Nearest police station | Kirandul |
| 12 | Nearest Railway station | Kirandul |
| 13 | Date of Grant of Mining Lease | 27/12/1966 |
| 14 | Date of Execution | 12/09/1967 |
| 15 | Date of opening of Mine | In the year 1987 |
| 16 | Date of first Renewal, if applicable and its period | 12/09/1997, 20Years, Expiry-11/09/2017 |
| | & expiry | |
| 17 | Date of submission of renewal application if | Under Rule 3(3) of Mineral (Mining by |
| | Mining Operations are continuing under deemed | Government Company) Rules, 2015, the |
| | extension | Mining Lease has been extended for 20 |
| | | years from 11.09.2017 to 10.09.2037 by |
| | | Mineral Resource Department, Govt of |
| | | Chhattisgarh via Office Order No. f 4- |

| | | 55/2017/XII Nove Deinur doted |
|----|---|---|
| | | 55/2017/XII Naya Raipur, dated |
| | | 11.05.2018. |
| 18 | Name of the Nominated Owner with Address, | NA |
| | phone, email, fax number and date of appointment | |
| 19 | Name of the Mine Agent with Address, phone, | Shri D K Mohanty, Director (Production) |
| | email, fax number and date of appointment | NMDC Ltd, 10-3-311/A, Castle hills, |
| | | Masab tank, Hyderabad |
| | | Ph.no: 040-23538704 |
| | | e-mail ID: <u>dkmohanty123@nmdc.co.in</u> |
| | | fax:040-23538705 |
| - | | Date of appointment: 8.10.2021 |
| 20 | Name of the Mines Manager with Address, phone, | Shri R. Govindarajan, Executive Director, |
| | email, fax number and date of appointment in | NMDC Ltd, Kirandul, B.I.O.M. |
| | mines | Kirandul Complex, Dantewada |
| | | PIN-494556, Chhattisgarh, Phone 07857-255222 |
| | | Fax no: 07857-255227 |
| | | e-mail: rgovindarajan@nmdc.co.in |
| | | Date of appointment: 31.12.2019 |
| 21 | Name of the Mining Engineer, Qualification and | Shri Vinay Kumar, Chief General Manager |
| | total experience with Address, phone, email, fax | (Prod), |
| | number and date of appointment in mine | NMDC Ltd, Kirandul, B.I.O.M. |
| | number and date of appointment in nime | Kirandul Complex, Dantewada |
| | | PIN-494556, Chhattisgarh, |
| | | Ph.no: 07857 230223 |
| | | e-mail: vinaykumar@nmdc.co.in |
| | | fax: 07857-255226 |
| | | Date of appointment: 30.09.2018 |
| 22 | Whether Geologist and Mining Engineer | Shri Vivek Kumar, Dy. General Manager, |
| | appointed in mines satisfy the rule 42 & carrying | B.E (Mining) FCC (R), |
| | out their duties as per rule 43 & 44. | Experience: 22Years Approximately NMDC Ltd, Kirandul, B.I.O.M. |
| | | Kirandul Complex, Dantewada |
| | | PIN-494556, Chhattisgarh, |
| | | DOA:13/08/2021 |
| 23 | Date of Approval of Mining Plan/Modified | Yes, Shri Rityan. Goswami, MSc (Applied |
| 23 | Mining Plan with five-year period and specific | Geology), 14years, AGM (Geo.), Deposit |
| | condition in approval letter, if any. | 11, B.I.O.M. Kirandul Complex, |
| | condition in approval letter, if ally. | Ph.No. 9406289240, |
| | | Email- gritayan@nmdc.co.in, |
| | | Date of appointment: 30.07.2020 |
| 24 | Date of Approval of Scheme of Mining/Modified | Vide Letter No: 314(3)/96- MCCM (c) |
| | Scheme of Mining with five-year period and | /MP-7, Dated: 23.07.1997. |
| | specific condition in approval letter, if any. | Vide Letter No: 314(3)/2005 MCCM (cz) |
| | | /MP-7, Dated: 15.10.2005. |
| | | Vide Letter No: Dantewada/FE/MPLN- |
| | | 1055/2016/Raipur/724, Dated:09.12.2016 |
| | | Vide Letter No: Dantewada /Fe/Khanij- |
| | | 1203/2018/-Raipur/72 dated 08-05-2019 |

| 25 | Mineral(s) granted in lease and proved for mining | Vide letter No.: DANTEWADA/FE/MP- 1215/2019-RAIPUR/546, 11.12.2019 Vide Letter No: 314(3)/2007 - MCCM (CZ) /S-7, Dated:29.11.2007 Vide Letter No: 314(3)/2012 - MCCM (CZ) /MS-18, Dated:11.03.2013 |
|----|---|---|
| 26 | Method of Mining (Opencast, Underground) | Hematite |
| 27 | Category (Fully Mechanized, Others or Manual) | Opencast |
| 28 | Captive/Non-Captive | Fully Mechanized |
| 29 | EC for ROM Prod: Date of Issue: | Non-Captive |
| 30 | FA amount Rs Valid up to: | 9.50 million tonnes, |

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

1.0 EXPLORATION

| SN | ITEM | PROPOSALS (2020-21) | ACTUAL WORK (2020-21) | REMARKS |
|----|---|---|--|---|
| 1a | Backlog of previous year | 99BH/5535Mts | 74BH/6880 Mts | Violation pointed out for deviating the exploratory bore holes proposal. |
| 1b | Exploration over lease area for Geological axis 1 or 2. | G1& G2 | G1-160.826 Ha. G2-65.933 Ha G3 – 365.731 Ha G4 – 32.752 Ha | 625.242 Ha is mineralized as per approved plan & 249.682 Non mineralized area |
| 1c | Exploration Agency & Expenditure in lakh Rupees during the year | Exploration proposed by GEC Raipur (In house) , no expected expenditure given | Exploration carried out in House (GEC Raipur) | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | 99BH's proposed to convert G2 into G1 | 83.19 Ha needs to be explored but only 45.62 ha converted in G1 area | 74 BH drilled in G1 area |
| 1e | Balance reserves as 01.04.2021 | Nil | Mineral Reserves (111): 300.39 million tonnes, Mineral Reserves (122): 39.68 million tonnes with average quality of Lump: 66.20 % Fe & Fines: 64.03% | As per AR submitted for the year 2020-21. |

| 1f | General remarks of | Deposit 11 divided in three-part 11A, 11B, & 11C. | |
|----|---------------------------|---|--|
| 11 | | Deposit 11 divided in three-part 11A, 11B, & 11C. Deposit-11A: The total strike length of the mineral body is 2600 Mtr | |
| | inspecting officer on | | |
| | geology, exploration etc. | between CS8 to CS33 trending almost N-S however total length of | |
| | | the deposit is 1700mtr between CS9 to CS 25. The width of the body | |
| | | varies between 220m to 420m in the central zone. Average depth is | |
| | | 73.66m (maximum 155m and minimum 28m) based on exploration | |
| | | data. | |
| | | Deposit-11B: It Extends over strike length of 2800m trending about | |
| | | N-S with average width of 600m varying from 450m to 900m | |
| | | divided in three blocks north, central and south on the basis of ore | |
| | | body appearance. | |
| | | Deposit-11C: The area belongs to the northern part of the Deposit | |
| | | 14NMZ ML. The total length about 1700m with the average ore | |
| | | e e | |
| | | body width 350m. | |
| | | The Iron ore of Bilabial range belong to the Bilabial series which an | |
| | | associated with slightly metamorphosed iron ore bearing | |
| | | sedimentary rocks of pre-cambrian age. These hill ranges comprise | |
| | | shale, banded hematite quartzite and conglomerates containing | |
| | | pebbles of quartzite and shale. | |
| | | BHQ is occurring as mother rock, usually parallel bands along the | |
| | | strike direction. Iron ore is formed due to enrichment of iron by | |
| | | leaching of silica from BHQ by supergene enrichment occurring as a | |
| | | main ore type" Hematite" in soft (as Blue Dust) and homogeneous, | |
| | | massive and hard and compact steel grey and hard to medium hard | |
| | | blue | |
| | | hematite form. Mineral deposit is meta-sedimentary stratiform | |
| | | - | |
| | | deposit. VL pointed out. Not bore hole drilled as per proposal | |
| | | | |

2.0 DEVELOPMENT

| SN | ITEM | PROPOSALS | ACTUAL WORK | REMARKS |
|----|--------------------------|--------------------|--------------------|--------------|
| | | (2020-21) | (2020-21) | |
| 2a | Location of | Dep-11A | Dep-11A | |
| | development w.r.t. lease | 523681 E -523454 E | 523666 E -523445 E | |
| | area | 2065829 N– | 2065843N- | |
| | | 2065360N | 2065384N | |
| | | Dep-11B | Dep-11B | |
| | | 524547 E -523783 E | 524512 E -523901 E | |
| | | 2063439 N- | 2063345N- | |
| | | 2062758N | 2062718N | |
| | | Dep-11C | Dep-11C | |
| | | 525377 E -524878 E | 525081 E -524948 E | |
| | | 2061101 N- | 2061031N- | |
| | | 2060652N | 2060655N | |
| 2b | Separate benches in | Separate benches | Separate benches | Overburden-5 |
| | topsoil, overburden and | proposed in | maintained in | |
| | mineral (Rule 15) | overburden and | overburden and | Mineral-5 |
| | | mineral | mineral | |

| 2c | Stripping ratio of ore to | 1:0.25 | 1:0.13 | |
|----|------------------------------|---|-------------------------|-----------------|
| | OB ratio (t / t) | | | |
| 2d | Quantity of topsoil | No proposal | Nil | No Top soil |
| | generation in m ³ | | | generation |
| 2e | Quantity of overburden | 2384000 Tons | 586851 Tons | Bulk Density |
| | generation in m ³ | | | t/m3: |
| | | | | Ore: 3.5(avg) |
| | | | | OB: 2.7(avg) |
| 2f | General remarks of | Mining carried out by f | ully mechanized open ca | st bench mining |
| | inspecting officer on | method with deployment of HEMM and in conjunction with deep | | |
| | development of pit wrt. | hole drilling & blasting. Production activity is scheduled in three | | |
| | type of deposit etc. | shifts in rotation. | | |

3.0 EXPLOITATION

| S.N. | ITEM | PROPOSAL (2020-21) | ACTUAL WORK (2020-21) | REMARK |
|------|---|--|---|--|
| 3a | Number of pits proposed for production | 1pit proposed | Working in one pit only | |
| 3b | Quantity of Iron Ore production proposed | Total: 9500000Tonne Dep-11A 2000000 Tonne Dep-11B 6000000 Tonne Dep-11C 1500000 Tonne | Total: 5773993Tonne Dep-11A 155106 Tonne Dep-11B 4490908 Tonne Dep-11C 1127979 Tonne | Within the proposed limit |
| 3c | Recovery of saleable/usable mineral from Iron Ore production | 100% | 100% | No change |
| 3d | Quantity of mineral reject generation | 285000 tonnes | 158000 tonnes | As per AR submitted for the year 2020-21. |
| 3e | Grade of mineral reject generation and threshold value declared | 50% fe, | 50% fe, | As per AR submitted for the year 2020-21. |
| 3f | Quantity of sub-grade mineral generation | No proposal | Nil | |
| 3g | Grade of sub-grade mineral generation | 45-55 Fe % | 50 Fe % | |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Mechanized method proposed for segregating from ROM | Mechanized method adopted for segregating from ROM | Dry Crushing (7.0 MTPA) & Screening (3000Tph) |
| 3i | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject | No study Proposed | No such study carried out | Nil |
| 3ј | Provision of drilling & blasting in mineral benches | Provision of Drilling and | Drilling and blasting carried out by | Drill m/c of 254mm dia. & |

| | | blasting is made in Mineral benches for hard strata | combination of slurry and Nonel Detonators | 152.400 mm dia. with spacing -7.0 - 6.0mts, burden 5.5 -4.5 mts & depth of 12 mts |
|----|---|--|---|---|
| 3k | Provision of mining machineries in mineral benches | Hydraulic excavators and Dumper combination Proposed | Mining is carried out by using Hydraulic excavators and 100 Tonner Dumper. | Drill Machine: 05 No, Dumpers: 05 Nos. (100 Tonner- 4 dumpers & 01 dumper: 85.00 tonner), Shovel:04No., Dozers:04 Nos, Water Tankers:02 Nos |
| 31 | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Bench height of 12 m and width of 40-50 m proposed | Average Bench height of 12 m and bench width of 40- 45 m maintained | |
| 3m | Total area covered under excavation/pits | 361.041 Ha at the end of plan period | 94.59 Ha at the end of reporting year | Nil |
| 3n | Stripping ratio of ore to OB ratio (tonnes /tonnes) | 1:0.25 | 1:0.13 | Nil |
| 30 | Total area put in use under different heads at the end of year | Area Under Pit: 361.04 ha, Waste dump-163.332 Ha, Mineral storage: 92.703, Infrastructure- 244.303 Ha at the end of plan period | Covered under working pit-94.59 Ha, Use for waste disposal: 71.989 ha Occupied by plant, building residential, welfare building and roads:46.058 ha at the end of reporting year | Nil |
| 3р | Production of Iron Ore during last Five -year period, as applicable | 2016-17- 3800000 Tons 2017-18- 3800000 Tons 2018-19- 4800000 Tons 2019-20- 6800000 Tons 2020-21- 6800000 Tons | 2016-17- 1310508 Tons 2017-18- 2618285 Tons 2018-19- 3468280 Tons 2019-20- 5029112 Tons 2020-21- 5773993 Tons | Actual production within the proposed limits |
| 3q | General remarks of inspecting officer on method of mining etc. | Method of mining | is Open cast mechanize nbination. Subgrade min | - |

4.0 SOLID WASTE MANAGEMENT-DUMPING

| SN | ITEM | PROPOSALS | ACTUAL WORK | REMARKS |
|----|---|---|--|---|
| | | (2020-21) | (2020-21) | |
| 4a | Separate dumping of topsoil, OB | Separate dumping for | Separate dump of OB | Nil |
| | & mineral reject (Rule 32, 33) | OB proposed | maintained | |
| b | Location of topsoil, OB & mineral reject dumps | Dep-11A 523320 E-523304E 2065162N- 2065269N Dep-11B 524018 E-524135 E 2062861N- 2062950N Dep-11C 524531 E – 524904 E 2060015N- 2060460N | Dep-11A 523320 E-523304 E 2065162N- 2065269N Dep-11B 524018 E-524135 E 2062861N- 2062950N Dep-11C 524531 E – 524904 E 2060015N- 2060460N | Waste is being dump at earmarked place as per approved documents. |
| 4c | Number of dumps within lease area and outside lease area | Within lease area-3 Nos. Outside lease area- Nil | Within lease area-3 Nos Outside lease area- Nil | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | Out Side UPL | Out Side UPL | |
| 4e | Number of active & alive dumps | 03 of active & alive dumps proposal03 of active & alive dumps | | |
| 4f | Number of dead dumps | No Proposal | Nil | |
| 4g | Number of dumps stabilized | No Proposal | Nil | |
| 4h | Whether Retaining wall or garland drain all along dumps are there | GD 2000 m Proposed | Garland Drain:1750m constructed all along dump | |
| 4i | Length of Retaining wall or garland drain all along dump | GD- 2000 meters | GD- 1750meters constructed | |
| 4j | Number of settling ponds | 03 | 03 | Nil |
| 4k | Specific comments of inspecting officer | No top soil encountered at this stage. Waste is being dump at earmarked place as per approved documents. | | |

5.0 SOLID WASTE MANAGEMENT-BACKFILLING

| SN | ITEM | PROPOSALS (2020-21) | ACTUAL WORK (2020-21) | REMARKS |
|----|--|---|--------------------------|---|
| 5a | Status on part or full extraction of mineral from mined out area before starting backfilling | No Proposal | Nil | Area is not matured for backfilling |
| 5b | Area under backfilling of mined out area | No Proposal | Nil | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) | No Proposal | Nil | |
| 5d | Total area fully reclaimed & rehabilitated | No Proposal | Nil | |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc | The Mineral is not exhausted and the area is not matured for backfilling. | | |

6.0 PROGRESSIVE MINE CLOSURE PLAN

| SN | ITEM | PROPOSALS | ACTUAL | REMARKS |
|----|--|-------------------------------|---------------|---------|
| | | (2020-21) | WORK | |
| 60 | Whathan Annual generation DMCD submitted | DMCD report to | (2020-21) | |
| ба | Whether Annual report on PMCP submitted | PMCP report to | PMCP report | |
| | on time and correctly - Rule 23E (2). Details | be submitted by | submitted. | |
| | should be given in the format as given in | 1 st of July every | | |
| | Annexure-20. | year. | | |
| 6b | Management of worked/mined out benches | No Proposal | | |
| | i) Area available for rehabilitation (ha) | | i) Nil | |
| | ii) Afforestation done (ha) | | ii) 2.0 Ha | |
| | iii) No. of saplings planted during the year | | iii)2000nos | |
| | iv) Cumulative no. of plants | | iv)415319 nos | |
| | v) Any other specific method of rehabilitation | | v) Nil | |
| | vi) Cost incurred on watch & care during the | | | |
| | year | | Departmental | |
| 6c | Compliance on reclamation and rehabilitation | No Proposal | Nil | |
| | 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 | | | |

| 6d | Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation | No Proposal | Nil | |
|--------|--|--|--|---|
| бе | Compliance of Environmental monitoring (core zone & buffer zone) | Proposed Environmental monitoring in core and Buffer Zone. | Environmental monitoring in core and Buffer Zone is carried out regularly. | Monitoring carried out by M/s Pragati Lab consultant Pvt.Ltd, Hyderabad. All the parameters were observed to be within the permissible limits. |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive | PMCP activities w | ere carried out as per | proposal. |

7.0 MINERAL CONSERVATION

| SN | ITEM | PROPOSALS | ACTUAL WORK | REMARKS |
|----|---|---|---|--|
| | | (2020-21) | (2020-21) | |
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | Grade-wise sorting proposed within the lease area | Grade-wise sorting done within the lease area | Subgrade mineral generated is blended simultaneously with high grade mineral during feeding to the crushing plant. |
| 7b | Method of grade-wise mineral sorting i.e., manual or mechanical | Mechanical sorting proposed. | Mechanical method adopted for grade wise sorting. | |
| 7c | Different grade of mineral sorted out at mines | Below 55 Fe%, 55 to 58 Fe%, 58 to 60 Fe%, 60 to 62 Fe%, 62 to 65 Fe% 65% and above | Below 55 Fe%, 55 to 58 Fe%, 58 to 60 Fe%, 60 to 62 Fe%, 62 to 65 Fe% 65% and above | |

| 7d | Any beneficiation process at mines | No proposal | Nil | |
|----|---------------------------------------|---|------------------|--|
| 7e | General remarks of inspecting officer | Crushing is being done for sizing of ore. Partially | | |
| | on Mineral conservation & | Mineral rejects are disposed onto Dynamic Stockpile | | |
| | beneficiation issues | and blended with | h high grade ore | |

8.0 ENVIRONMENT

| SN | ITEM | PROPOSALS (2020-21) | ACTUAL WORK (2020-21) | REMARKS |
|----|--|--|--|---|
| 8a | Separate removal and utilization of topsoil (Rule 32) | No proposal | Nil | No top soil generated |
| 8b | Concurrent use or storage of topsoil | No proposal | Nil | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Separate dumping for OB proposed | Separate dump for OB maintained | |
| 8d | Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use | No proposal | Nil | |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.) | No proposal | Nil | |
| 8f | Baseline information on existence of plantation & additional plantation done (Rule 41) | 4000 saplings proposed | 2000 saplings planted | Plantation carried out in7.5 Mts safety zone, Violation Pointed out |
| 8g | Survival rate | No proposal | 80% survival rate | Nil |
| 8h | Water sprinkling on roads to control airborne dust | Water sprinkling on haul roads proposed to control airborne dust. | Water Tankers were deployed to control the airborne dust on haul roads and screening plants. | 2 nos of water tankers of 28000 lt capacity deployed. |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines are | The aesthetic be maintained | auty in and around the mir | ne is well |

9.0 COMPLIANCE OF RULE 45

| S. N. | Item | Comments | Remarks |
|----------|--|---|---|
| 9a | Status of submission of monthly and Annual returns | M.R. Submitted upto–Nov -2021 A.R. submitted for the year 2020-21 | AR Submitted on 30.06.2021 |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Mines Manager- Shri Vinay Kumar Mining Engineer- Shri S K Kochar Geologist-Shri. Ritayan Goswami | Same Mining Engineer & Geologist were present during the course of inspection. |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Covered under working pit-94.59 Ha, Use for waste disposal: 71.989 ha Occupied by plant, building residential, welfare building and roads:46.058 ha at the end of reporting year | Appears to be correct |
| 9d | Scrutiny of Annual return on afforestation | WML- 2000 saplings @80% Survival Rate, OML-Nil | Violation Pointed out |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade & Quantity) | Nil | Nil |
| 9f | Scrutiny of Annual return on ROM stock and/or grade ore | ROM Stock: Opening Stock: 150805.00T Production: 5773993.00 T. Closing stock: 745554.00 T Dump working: OB, Production & CB- Nil | Appears to be correct |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production costs | Lumps Ex Mine Price:65% and above: Rs 5095.40/Ton Fines: Ex Mine Price:60% to below 62%: Rs 3230.33/Ton Ex Mine Price:62% to below 65%: Rs 3858.84/Ton Ex Mine Price:65% and above: Rs 4074.11/Ton Cost of production: Rs.1402.08/Ton | Violation Pointed out |
| 9i | Scrutiny of Annual return on Fixed assets | Value of Fixed Assets: Rs 6205841108 (As per reported in AR) | |
| 9k | Scrutiny of Annual return on mining Machineries | Drill Machine: 05 No, Dumpers: 05 No & 01 dumper: 85.00 tonner), Shovel:04 Water Tankers:02 Nos | · 1 |

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: -Violations Pointed-out during Inspections below

| नियम | उल्लंघन के प्रकार का विस्तृत ब्यौरा |
|------------------|---|
| Rule 11(1) | RMP along with PMCP was approved vide letter no. DNT/FE/MP-1215/2019- RAIPUR/546, 11.12.2019 for a period of 2020-21 to 2024-25. The deviation observed in mining operation vis-a-vis approved document are given below 1) As per approved Mining Plan, 99 boreholes were proposed to be drilled till the year 2020-21, only 74 number of boreholes have been drilled. 2) Afforestation: There was a proposal given for plantation of 4000 nos. of |
| Rule - 19 | plants during 2020-21. Whereas, only 2000 of the plants have been plantedMachinery and plant(1) Where heavy earth moving machinery is used in |
| | mines, the holder of a mining lease shall maintain log books duly authenticated by the manager or mining engineer of such mines in respect of each machine showing date-wise account of hours worked, hours not worked, reasons for non-working, consumption of fuel or energy and lubricants and output of the machine during the corresponding working hours. (2) The summary of operation of each machine shall be recorded in the log book at the end of each month bringing out the percentage availability and percentage utilization of the machine, average hourly performance and average fuel or energy consumption per hour. (3) The log books may be maintained in electronic form or in hard copy and shall be made available to the authorized officer on demand. The Same was not produced for verification on demand. |
| Rule- 45 (5) (c) | Following deficiencies were observed in the Annual Returns submitted: 1) Cost of Production and Value of fixed assets of Deposit 11, Deposit 14ML and Deposit 14NMZ given same but the ex-mine price of lumps and fines of same grade were different in Annual Return submitted for the year 2020-21. |

Earlier violation pointed out have been complied. Five stars during self-appraisal. It's also validated after inspection.

Date: 11/01/2022

Shri Rudra N Mishra

Senior Mining Geologist