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MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/CR/JJP/MCDR-4/BBS14/03/2K

Mine code : 11ORI19005

- (i) Name of the Inspecting : **SKM1**) **SANJIB KUMAR MOHAPATRA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri Vinod Saini (Mines Manager), Sri I. Rama Rao (Geo
Official with
Designation
- (iv) Date of Inspection : 22/02/2023
- (v) Prev.inspection date : 12/09/2022

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **OSTAPAL**
- (b) **Registration NO.** : **IBM/173/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : ORISSA
District : JAJPUR
Village : GURUJANG
Taluka : SUKINDA
Post office : KALIAPANI
Pin Code :
FAX No. : 06784 - 251782
E-mail : facormines@facor.in
Phone : 06726- 268755
- (f) Police Station : Kaliapani
- (g) First opening date : 01/12/1985
- (h) Weekly day of rest : SUN
2. Address for : OATAPAL CHROMITE MINE, M/S FACOR LTD
correspondance : P.O.KALIAPANI, DIST: JAJPUR
ORISSA-755047
3. (a) Lease Number : ORI0233
- (b) Lease area : 72.84
- (c) Period of lease : 50
- (d) Date of Expiry : 12/08/2035
4. Mineral worked : CHROMITE Main

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5. Name and Address of the

Lessee : M/s.Ferro Alloys Corporation Limited
 Laxmi Bhawan,Kuans PO &
 Dist : Bhadrak Odisha
 BHADRAK ORISSA
 Phone:06784 - 250598
 FAX :06784 - 251782

Owner : SHRI ROHIT SARAF
 M/s Ferro Alloys
 Corporation Ltd Laxmi
 Bhawan, Kuans, Bhadrak
 Odisha-756100 BHADRAK
 ORISSA
 Phone: 06784 - 250598
 FAX : 06784 - 251782

Agent : RAJESH KUMAR SINGH
 Gurujang, Kaliapani
 Sukinda, Jajpur Odisha
 BHADRAK ORISSA
 Phone: 06784 -251312
 FAX : 06726-201009

Mining Engineer

Name : SARASWATA NANDA,Full Time
 Qualification : B.E Mining Engineering
 Appointment/ : 01/07/2016
 Termination date

Geologist

Name : I. RAMA RAO,Full Time
 Qualification : MSC Geology
 Appointment/ : 14/12/2009
 Termination date

Manager

Name : AJAYA KUMAR PATRA
 Qualification : AMIE Mining Engineering, FCC
 Appointment/ : 21/08/2017
 Termination date

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| 6. Date of approval of Mining | : | Mining Scheme rule 12 MCDR1988 | 17/01/2001 |
| Plan/Scheme of Mining | : | Renewal under rule 24 MCR1960 | 03/01/2005 |
| | : | Mining Scheme rule 12 MCDR1988 | 25/04/2011 |
| | : | Mining Scheme rule 12 MCDR1988 | 30/03/2016 |
| | : | MP modif under 17(3) MCR 2016 | 11/09/2018 |
| | : | MP review under 17(1) MCR 2016 | 13/01/2021 |
| | : | MS modif under MCR 1960 | 05/08/2021 |

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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|-------------------|-------------|--|
| 1a | Backlog of previous year | 4 Nos/ 1777 mtrs. | Nil | The entire lease area has already been covered under G1 category. Mineralized G1 area- 40.519 Ha Non-Mineralized G1 area- 32.324 Ha The proposal of exploration was to explore the depth continuity of the ore body based on the nature of the regional ore body. |
| 1b | Exploration over lease area for geological axis 1 or 2 | Nil | Nil | The entire lease area has already been covered under G1 category. Mineralized G1 area- 40.519 Ha Non-Mineralized G1 area- 32.324 Ha |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | Nil | Nil | The entire lease area has already been covered under G1 category. Mineralized G1 area- 40.519 Ha Non-Mineralized G1 area- 32.324 Ha The proposal of exploration was to explore the depth continuity of the ore body based on the nature of the regional ore body. |

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|----|--|---------------------------------------|---|---|
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | Nil | Nil | The entire lease area has already been covered under G1 category. Mineralized G1 area- 40.519 Ha Non-Mineralized G1 area- 32.324 Ha The proposal of exploration was to explore the depth continuity of the ore body based on the nature of the regional ore body. |
| 1e | Balance reserve as on 01/04/20 | 1.296 million tonnes as on 01.04.2022 | 1.337 million tonnes as on 01.04.2022 | 1.337 million tonnes as on 01.04.2022. |
| 1f | General remarks of inspecting officers on geology, exploration etc | | The entire lease area is a flat terrain having gentle slope of 2 degree from north to south.the highest elevation is 158 mRL and lowest elevation is 135 mRL.The chromite ore bodies are intrusive into the lower sequence of the basal group of the Iron ore super group.The lease area is broadly explored in G1. The proposal of exploration was to explore the depth continuity of the ore body based on the nature of the regional ore body. Mineralized G1 area- 40.519 Ha Non-Mineralized G1 area- 32.324 Ha | The entire lease area is a flat terrain having gentle slope of 2 degree from north to south.the highest elevation is 158 mRL and lowest elevation is 135 mRL.The chromite ore bodies are intrusive into the lower sequence of the basal group of the Iron ore super group.The lease area is broadly explored in G1. The proposal of exploration was to explore the depth continuity of the ore body based on the nature of the regional ore body. Mineralized G1 area- 40.519 Ha Non-Mineralized G1 area- 32.324 Ha |

 Development :

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| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|---|---|---|
| 2a | Location of development w.r.t.lease area | In existing pit-1, 373750E-374415E & 2329190N-2319785N | The lessee has not carried out the development within the proposed area in the eastern part of the lease area i.e. N2329300-N2329600 extent. | The lessee has not carried out the development within the proposed area in the eastern part of the lease area i.e. N2329300-N2329600 extent. In this regard, aviolation in contravention of rule 11(10 of MCDR 2017 has been issued vide letter dated 06/03/2023 to the lessee. |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | Seperate benches in overbudeb and mineral have been proposed. | No top soil within the existing pit. Seperate benches in overbudeb and mineral have been carried out. | No top soil within the existing pit. Seperate benches in overbudeb and mineral have been carried out. |
| 2c | Stripping ratio or ore to OB ratio | 1:2.062 | 1:2.35 | 1:2.35 |
| 2d | Quantity of topsoil generation in m3 | Nil | Nil | Nil, No top soil exists with the proposed area. |
| 2e | Quantity of overburden generation in m3 | 4.95 Lac Cum | 4.84 Lac Cum till Jan-2023 | 4.84 Lac Cum till Jan-2023 |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | | The lessee has not carried out the development within the proposed area in the eastern part of the lease area i.e. N2329300-N2329600 extent. In this regard, aviolation in contravention of rule 11(10 of MCDR 2017 has been issued vide letter dated 06/03/2023 to the lessee. | The lessee has not carried out the development within the proposed area in the eastern part of the lease area i.e. N2329300-N2329600 extent. In this regard, aviolation in contravention of rule 11(10 of MCDR 2017 has been issued vide letter dated 06/03/2023 to the lessee. |

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Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|---|--|--|
| 3a | Number of pit proposed for production | One | One | One |
| 3b | Quantity of ROM mineral production proposed | 240000 tonnes for 2022-23 | 2.06 Lac tonnes has been produced till Jan 2023 . | 2.06 Lac tonnes has been produced till Jan 2023 . |
| 3c | Recovery of sailable/usable mineral from ROM production | 45% of the ROM | 38 % of the ROM till Jan 2023. | 38 % of the ROM till Jan 2023. |
| 3d | Quantity of mineral reject generation | 139000 tonnes | 127149 tonnes till Jan 2023 | 127149 tonnes till Jan 2023 |
| 3e | Grade of mineral rejects generation and threshold value declared. | 10-40% (Cr2O3) | 10-40% (Cr2O3) | 10-40% (Cr2O3) |
| 3f | Quantity of sub grade mineral generation. | Nil | Nil | Nil |
| 3g | Grade of sub grade mineral generation | NA | NA | NA |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Mechanised and manual | Mechanised and manual | Mechanised and manual |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | Feed Qty:- 121000 feed grade:- 26.90 Recovery:- 45% Output Grade:- 49.00 | Feed Qty:- 87768.06 tonnes feed grade:- 27.44 avg. Recovery:- 45% Output Grade:- 49.66 avg. | Feed Qty:- 87768.06 tonnes feed grade:- 27.44 avg. Recovery:- 45% Output Grade:- 49.66 avg. |
| 3j | Provision of drilling and blasting in mineral benches | Drilling and blasting proposed | Drilling and blasting carried out as proposed. | Drilling and blasting carried out as proposed. |
| 3k | Provision of mining machineries in mineral benches | Yes, Shovel and Dumper combination proposed. | Yes, Shovel and Dumper combination carried out. | Yes, Shovel and Dumper combination carried out. |

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| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | The height of the bench proposed is 8m. | The height of the bench is suitable for the method of mining proposed in review of mining plan. | The height of the bench is suitable for the method of mining proposed in review of mining plan. |
| 3m | Total area covered under excavation/pits | 30.179 Ha | 30.258 Ha | 30.258 Ha |
| 3n | Ore to OB ratio for the pit/mine during the year. | 1:2.062 | 1:2.35 | 1:2.35 |
| 3o | Total area put in use under different heads at the end of year | Pit: 30.179 ha OB Dump: 28.723 ha Others: 13.862 ha | Pit: 30.258 ha OB Dump: 28.723 ha Others: 13.862 ha | Pit: 30.258 ha OB Dump: 28.723 ha Others: 13.862 ha |
| 3p | Production of ROM mineral during the last five year period as applicable | 2018-19: 1.350 Lac tons 2019-20: 1.046 Lac tons 2020-21: 0.976 Lac tons 2021-22: 2.4 Lac tons 2022-2023: 2.4 Lac tons | 2018-19: 1.062 Lac tons 2019-20: 1.059 Lac tons 2020-21: 1.044 Lac tons 2021-22: 1.999 lac tons 2022-Jan2023: 2.061 lac tons | 2018-19: 1.062 Lac tons 2019-20: 1.059 Lac tons 2020-21: 1.044 Lac tons 2021-22: 1.999 lac tons 2022-Jan2023: 2.061 lac tons |

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| 3q General remarks of inspecting officers on method of mining etc. | The method of mining is A category and is fully mechanised . The ROM production is carriedout by opencast mining method. The lessee has not carried out the development/mining as per the proposal during the reporting year till the date of inspection. In this regard, a violation letter for contravention of Rule 11(1) of MCDR 2017 has been issued to the lessee vide letter dtd. 06/03/2023. | The method of mining is A category and is fully mechanised . The ROM production is carriedout by opencast mining method. The lessee has not carried out the development/mining as per the proposal during the reporting year till the date of inspection. In this regard, a violation letter for contravention of Rule 11(1) of MCDR 2017 has been issued to the lessee vide letter dtd. 06/03/2023. |
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Solid Waste Management - Dumping:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|---|--|--|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | Top soil generation proposal nil ,mineral reject directly sent for beneficiation and OB dumping proposal given. | OB dumping carried out partially as per the proposal. However, presently fresh backfilling is being carried in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection, which is completely apart from the year-wise proposal. In this regard, a violation letter vide dated 06/03/2023 has been issued to the lessee. | OB dumping carried out partially as per the proposal. However, presently fresh backfilling is being carried in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection, which is completely apart from the year-wise proposal. In this regard, a violation letter vide dated 06/03/2023 has been issued to the lessee. |

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| 4b | Location of topsoil, OB and mineral reject dumps | E: 3200-3425 S: 2950-3140 | E: 3200-3425 S: 2950-3140 OB dumping carried out partially as per the proposal. However, presently fresh backfilling is being carried in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection, which is completely apart from the year-wise proposal. In this regard, aviolation letter vide dated 06/03/2023 has been issued to the lessee. | E: 3200-3425 S: 2950-3140 OB dumping carried out partially as per the proposal. However, presently fresh backfilling is being carried in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection, which is completely apart from the year-wise proposal. In this regard, aviolation letter vide dated 06/03/2023 has been issued to the lessee. |
| 4c | Number of dumps within lease area and outside of lease area | 02 Nos | 02 Nos | 02 Nos |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | Beyond UPL | Beyond UPL | Beyond UPL |
| 4e | Number of active and alive dumps. | One | One | One |
| 4f | Number of dead dumps. | One | One | One |
| 4g | Number of dumps established. | One | One | One |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | Yes already exists. | Yes already exists. | Yes already exists. |
| 4i | Length of Retaining wall or garland drain all along dumps | No proposal | Nil | Nil |
| 4j | Number of settling ponds | Nil | Nil | Nil |

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| 4k | Specific comments of inspecting officer on waste dump management | OB dumping carried out partially as per the proposal. However, presently fresh backfilling is being carried in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection, which is completely apart from the year-wise proposal. In this regard, aviolation letter vide dated 06/03/2023 has been issued to the lessee. | OB dumping carried out partially as per the proposal. However, presently fresh backfilling is being carried in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection, which is completely apart from the year-wise proposal. In this regard, aviolation letter vide dated 06/03/2023 has been issued to the lessee. |
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Solid Waste Management - Backfilling:

| Sl.No. | Item | Propasals | Actual work | Remarks |
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| 5a | Status of part or full extraction of mineral from mined out area before starting backfilling. | Nil | As per the approved mining plan document UPL limit is +5 mRL and no back filling proposal during FY 2021-22 & FY 2022-23. Whereas, fresh backfilling is being carried in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection, which is completely apart from the year-wise proposal. A violation in contravention of rule 11(1) of MCDR 2017 has been issued vide letter dated 06/03/2023 to the lessee. | As per the approved mining plan document UPL limit is +5 mRL and no back filling proposal during FY 2021-22 & FY 2022-23. Whereas, fresh backfilling is being carried in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection, which is completely apart from the year-wise proposal. A violation in contravention of rule 11(1) of MCDR 2017 has been issued vide letter dated 06/03/2023 to the lessee. |
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| 5b | Area under backfilling of mined out area | Nil | As per the approved mining plan document UPL limit is +5 mRL and no back filling proposal during FY 2021-22 & FY 2022-23. Whereas, fresh backfilling is being carried in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection, which is completely apart from the year-wise proposal. A violation in contravention of rule 11(1) of MCDR 2017 has been issued vide letter dated 06/03/2023 to the lessee. | As per the approved mining plan document UPL limit is +5 mRL and no back filling proposal during FY 2021-22 & FY 2022-23. Whereas, fresh backfilling is being carried in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection, which is completely apart from the year-wise proposal. A violation in contravention of rule 11(1) of MCDR 2017 has been issued vide letter dated 06/03/2023 to the lessee. |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | Nil | Nil | Nil |
| 5d | Total area fully reclaimed and rehabilitated | Nil | Nil | Nil |

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| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | As per the approved mining plan document UPL limit is +5 mRL and no back filling proposal during FY 2021-22 & FY 2022-23. Whereas, fresh backfilling is being carried in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection, which is completely apart from the year-wise proposal. A violation in contravention of rule 11(1) of MCDR 2017 has been issued vide letter dated 06/03/2023 to the lessee. | As per the approved mining plan document UPL limit is +5 mRL and no back filling proposal during FY 2021-22 & FY 2022-23. Whereas, fresh backfilling is being carried in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection, which is completely apart from the year-wise proposal. A violation in contravention of rule 11(1) of MCDR 2017 has been issued vide letter dated 06/03/2023 to the lessee. |
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Progressive Mine Clousre Plan:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|--|---|---|
| 6a | Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2). | As per Rule 26(2) Annual PMCP report to be submitted before 1st day of July of Every Year. | Lessee has not submitted for Annual PMCP report for the year 2022-23 till the date of inspection. | Lessee has not submitted for Annual PMCP report for the year 2021-22 till the date of inspection. |
| 6b | Area available for rehabilitation (ha) . | Nil | Nil | Nil |
| 6c | afforestation done (ha). | 0.57 Ha | 1.0 Ha. | 1.0 Ha. |
| 6d | No. of saplings planted during the year | 3425 nos of sapplings. | 3450 nos of sapplings | 3450 nos of sapplings |

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| 6e | Cumulative no .of plants | | 15340 Nos of sapplings | 15340 Nos of sapplings |
| 6f | Any other method of rehabilitation | Nil | Nil | Nil |
| 6g | Cost incurred on watch and care during the year | Nil | Nil | Nil |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D | Nil | Nil | Nil |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | Nil | Nil | Nil |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area | Nil | Nil | Nil |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | Nil | Nil | Nil |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v)any other specific means. | Nil | Nil | Nil |
| 6m | Compliance of rehabilitation of waste land within lease (i)afforestation | 0.57 Ha with 3425 nos of sapplings | 1.0 Ha. with 3450 nos of sapplings | 1.0 Ha. with 3450 nos of sapplings |

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| 6n | Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha) | 0.57 Ha with 3425 nos of sapplings | 1.0 Ha. with 3450 nos of sapplings | 1.0 Ha. with 3450 nos of sapplings |
| 6o | Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation | Afforestation. | Afforestation. | Afforestation. |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | Air, Noise and Water quality monitoring will be done during the year within the lease area. | Air, Noise and Water quality monitoring is being carried out as per the proposal during the reporting year till the date of inspection. | Air, Noise and Water quality monitoring is being carried out as per the proposal during the reporting year till the date of inspection. |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | | The lessee has carried out the reclamation and rehabilitation by means of backfilling which is not as per the proposal. In this regard, aviolation letter vide dated 06/03/2023 has been issued to the lessee.However the lessee has carried out environmental monitoring as per the proposal during the reporting year till the date of inspection. | The lessee has carried out the reclamation and rehabilitation by means of backfilling which is not as per the proposal. In this regard, aviolation letter vide dated 06/03/2023 has been issued to the lessee.However the lessee has carried out environmental monitoring as per the proposal during the reporting year till the date of inspection. |

Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
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|----|--|--|--|--|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | +52% cr2o3 40-52% cr2o3 below 40% cr203 grade are to be sorted within lease hold area. | +52% cr2o3 40-52% cr2o3 below 40% cr203 grade are sorted within lease hold area. | +52% cr2o3 40-52% cr2o3 below 40% cr203 grade are sorted within lease hold area. |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | Mechanical | Mechanical | Mechanical |
| 7c | Different grade of mineral sorted out at mines. | +52% cr2o3 40-52% cr2o3 below 40% cr203 grade are to be sorted within lease hold area. | +52% cr2o3 40-52% cr2o3 below 40% cr203 grade are sorted within lease hold area. | +52% cr2o3 40-52% cr2o3 below 40% cr203 grade are sorted within lease hold area. |
| 7d | Any beneficiation process at mines . | Yes, proposed. | Yes, carried out. | Yes, carried out. |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | | +52% cr2o3 40-52% cr2o3 below 40% cr203 grade are sorted within lease hold area. Beneficiation of low grade ore is carried out as per the proposal during the repoprting year. | +52% cr2o3 40-52% cr2o3 below 40% cr203 grade are sorted within lease hold area. Beneficiation of low grade ore is carried out as per the proposal during the repoprting year. |

Environment:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-----------|---|---|
| 8a | Separate removal and utilization of topsoil (Rule 32) | Nil | No top soil has been generated till the date of inspection i.e. 22.02.2023. | No top soil has been generated till the date of inspection i.e. 22.02.2023. |

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| 8b | Concurrent use or storage of topsoil | Nil | No top soil has been generated till the date of inspection i.e. 22.02.2023. | No top soil has been generated till the date of inspection i.e. 22.02.2023. |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Separate dumps for OB and mineral rejects were proposed. | Separate dumps for OB and mineral rejects are being practised for the reporting year till the date of inspection i.e. 22.02.2023. | Separate dumps for OB and mineral rejects are being practised for the reporting year till the date of inspection i.e. 22.02.2023. |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | Nil | No backfilling was proposed during the reported year. However the lessee has carried out back filling of waste in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection. In this regard, aviolation letter vide dated 06/03/2023 has been issued to the lessee. | No backfilling was proposed during the reported year. However the lessee has carried out back filling of waste in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection. In this regard, aviolation letter vide dated 06/03/2023 has been issued to the lessee. |

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| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Nil | No backfilling was proposed during the reported year. However the lessee has carried out back filling of waste in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection. In this regard, aviolation letter vide dated 06/03/2023 has been issued to the lessee. | No backfilling was proposed during the reported year. However the lessee has carried out back filling of waste in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection. In this regard, aviolation letter vide dated 06/03/2023 has been issued to the lessee. |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | 3420 sapplings to be planted. | Already 3450 sapplings have been planted within the lease area till the date of inspection. | Already 3450 sapplings have been planted within the lease area till the date of inspection. |
| 8g | Survival rate | Not proposed | 85% | 85% |
| 8h | Water sprinkling on roads to control airborne dust | Water Sprinkling on haul roads were proposed. | Water sprinkling by water tanker over haul roads has been carried out. | Water sprinkling by water tanker over haul roads has been carried out. |

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| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | As per the approved mining plan document UPL limit is +5 mRL and no back filling proposal during FY 2021-22 & FY 2022-23. Whereas, fresh backfilling is being carried in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection, which is completely apart from the year-wise proposal. In this regard, aviolation letter vide dated 06/03/2023 has been issued to the lessee. | As per the approved mining plan document UPL limit is +5 mRL and no back filling proposal during FY 2021-22 & FY 2022-23. Whereas, fresh backfilling is being carried in the quarry floor from +21mRL and carried out up-to about +41mRL till the date of inspection, which is completely apart from the year-wise proposal. In this regard, aviolation letter vide dated 06/03/2023 has been issued to the lessee. |
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Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|-----------|--|--|
| 9a | Status of submission of Monthly and Annual returns | | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30the June of the preceeding year. | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30the June of the preceeding year. |

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| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. |
| 9d | Scrutiny of Annual return on afforestation | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. |

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| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. |
| 9h | Scrutiny of Annual return on fixed assets | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. |
| 9k | Scrutiny of Annual return on mining machineries | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. | Annual return for the year 2022-23 has not been submitted till the date of inspection i.e. 22.02.2023, as the FY has not completed and the scheduled date for submission of AR is 30th June of the preceeding year. |

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

| Violation observed | | | Show cause position | | |
|--------------------|------------|---------------|---------------------|-----------|---------------|
| Rule NO. | Issued on | Compliance on | Rule NO. | Issued on | Compliance on |
| MCDR17 | Rule 11(1) | 06/03/2023 | | | |

Date :**(SANJIB KUMAR MOHAPATRA)**

Indian Bureau of Mines