

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR inspection REPORT**

**Bangalore regional office**

**Mine file No :** KNT/BLR/FE/150/BNG

**Mine code :** 30KAR03017

- (i) Name of the Inspecting : **S47** ) **DR. Sudhakara T.L**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri. K. Madhusudhana VP (Mines), Sri. P.Venkateswar R  
Official with  
Designation
- (iv) Date of Inspection : 07/09/2021
- (v) Prev.inspection date : 09/09/2017

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **VYASANKERE**
- (b) **Registration NO.** : **IBM/199/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : KARNATAKA
- District : BELLARY
- Village : VYASANKERI
- Taluka : HOSPET
- Post office : VYASANKERI
- Pin Code : 583201
- FAX No. : (08394) 232333
- E-mail : rahulbaldota@mspllimited.co
- Phone : (08394) 232003 08394232002
- (f) Police Station : Hospet
- (g) First opening date : 01/11/1962
- (h) Weekly day of rest : SUN
2. Address for : M/s MSPL Limited  
correspondance BALDOTA ENCLAVE, ABHERAJ BALDOTA RD,  
HOSPET, BELLARY-583201
3. (a) Lease Number : KAR0196
- (b) Lease area : 858
- (c) Period of lease : 20
- (d) Date of Expiry : 13/11/2002
4. Mineral worked : IRON ORE Main

## 5. Name and Address of the

Lessee : MSPL LTD  
 CO-OPERATIVE COLONY,  
 HOSPET, BELLARY, BELLARY  
 KARNATAKA  
 Phone:28402,28502  
 FAX :08394-24537,25052

Owner : MSPL LTD  
 CO-OPERATIVE CLONY, HOSPET,  
 BELLARY-583203 BELLARY  
 KARNATAKA  
 Phone:  
 FAX :

Agent : K. MADHUSUDHANA  
 MSPL Limited, Baldota  
 Enclave Abheraj Baldota  
 Road, Hosapete BELLARY  
 KARNATAKA  
 Phone: 08394-232002  
 FAX : 08394-232444

## Mining Engineer

Name : DOMNIC SAVIO,Full Time  
 Qualification : BE MINING  
 Appointment/ : 01/03/2007  
 Termination date

## Mining Engineer

Name : K.MADHUSUDAN,Full Time  
 Qualification : AMIE.MINING  
 Appointment/ : 01/01/2015  
 Termination date

## Geologist

Name : S.Shiv Kumar,Full Time  
 Qualification : M.Sc GEOLOGY  
 Appointment/ : 19/02/2001  
 Termination date

## Manager

Name : P.Venkeswara Rao  
 Qualification : Dip.and 1st class  
 Appointment/ : 01/09/2012  
 Termination date

|   |   |                                |            |
|---|---|--------------------------------|------------|
| 6. Date of approval of Mining Plan/Scheme of Mining | : | Fresh under rule 22 MCR1960    | 30/11/1989 |
|   |   | Existing rule 11 MCDR1988      | 06/08/1990 |
|   |   | Mining Scheme rule 12 MCDR1988 | 04/04/1996 |
|   |   | Fresh under rule 22 MCR1960    | 10/03/1997 |
|   |   | Renewal under rule 22 MCR1960  | 03/09/2002 |
|   |   | Modif.of approved Mining Plan  | 13/08/2004 |
|   |   | Modif.of approved Mining Plan  | 25/04/2005 |
|   |   | Mining Scheme rule 12 MCDR1988 | 30/04/2007 |
|   |   | Mining Scheme rule 12 MCDR1988 | 11/01/2013 |
|   |   | Modif.approved Mining Scheme   | 22/06/2016 |
|   |   | MP review under 17(1) MCR 2016 | 04/11/2016 |

|                                |            |
|--------------------------------|------------|
| MP review under 17(1) MCR 2016 | 16/02/2021 |
| MP review under 17(1) MCR 2016 | 16/02/2021 |
| FMCP under 23C(1)              | 25/02/2021 |

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

| Sl.No. | Item  | Proposals                             | Actual work                           | Remarks  |
|--------|---|---------------------------------------|---------------------------------------|--|
| 1a     | Backlog of previous year  | No proposal                           | NA                                    |  |
| 1b     | Exploration over lease area for geological axis 1 or 2              | No proposal                           | NA                                    |  |
| 1c     | Exploration Agencies and Expenditure in lakh rupees during the year | No exploration proposal.              | NA                                    |  |
| 1d     | Balance area to be explored to bring Geological axis in 1 or 2      | No proposal.                          | NIL                                   |  |
| 1e     | Balance reserve as on 01/04/20                                      | 35.915 Million Tonnes as on 1/4/2016. | 27.358 million tonnes as on 1/4/2021. |  |
| 1f     | General remarks of inspecting officers on geology, exploration etc  |                                       |                                       | Exploration in the 15 Ha mineralized area explored under G1 level laterally, however, the area has not been assessed as per the revised threshold value notification Vide letter dated 16/09/2021, suggested lessee to reassess the Iron ore Reserves/Resources as per the revised threshold value notification. |

## Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
|--------|------|-----------|-------------|---------|

|    |   |   |   |   |
|----|---|---|---|---|
| 2a | Location of development w.r.t.lease area  | North & A-Block<br>E. 649300 N. 1681700<br>E. 650100 N. 1682450<br>E. 649300 N. 1681700 E.<br>650100 N. 1682450<br>B-Block<br>E. 650300 N. 1681100 E.<br>650700 . 1681500 E.<br>650300 N. 1681100 E.<br>650700 N. 1681500 | North & A-Block<br>E. 649300 N. 1681700<br>E. 650100 N. 1682450<br>E. 649300 N. 1681700 E.<br>650100 N. 1682450<br>B-Block<br>E. 650300 N. 1681100 E.<br>650700 . 1681500 E.<br>650300 N. 1681100 E.<br>650700 N. 1681500 | Location of the development is within the proposed extent.                |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15)                          | Separate benches proposed in overburden and mineral   | Separate benches maintained for ore and OB as proposed  | NIL   |
| 2c | Stripping ratio or ore to OB ratio  | 1:2.18  | 1:2.18  | Iron ore: 1800000 tons<br>OB: 2214750 tons                                |
| 2d | Quantity of topsoil generation in m3  | No Proposal   | NIL   |   |
| 2e | Quantity of overburden generation in m3   | 1107375 m3  | 2214750 tons<br>i.e. 1107375 m3   | Bulk Density for Waste/OB: 2 tons/m3                                      |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc |   |   | Development of the pit carried out in accordance with Approve Mining Plan |

### Exploitation:

| Sl.No. | Item                                  | Propasals                      | Actual work                              | Remarks   |
|--------|---------------------------------------|--------------------------------|--|---|
| 3a     | Number of pit proposed for production | 3 Pits proposed for production | Production carried out in the three pits | Tentative Dimension of the North & A Block is 1300m (L) x W 350m (W) x 115m (D) and B-Block is 1200m (L) x 100m (w) and 50m (D) |

|    |   |   |  |   |
|----|---|---|--|---|
| 3b | Quantity of ROM mineral production proposed   | 1800000 Tons                                  | 1800000 Tons   | Achieved the production as proposed   |
| 3c | Recovery of sailable/usable mineral from ROM production   | 100%  | 100%   | No Mineral reject generated   |
| 3d | Quantity of mineral reject generation   | No proposal                                   | NA   | Low grade BHQ stacked separately.   |
| 3e | Grade of mineral rejects generation and threshold value declared.                               | NA  | NA   | No sub-grade ore generated.   |
| 3f | Quantity of sub grade mineral generation.   | Nil   | Nil  |   |
| 3g | Grade of sub grade mineral generation   | Nil   | Nil  |   |
| 3h | Manual / Mechanised method adopted for segregating from ROM                                     | Mechanised                                    | Mechanised method adopted for segregation of different size of ore from ROM  | Dry crushing and screening, capacity of 475 TPH Downhill Conveyor Plant   |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | NA  | No sub-grade/Mineral Reject and no such No benefaction study carriedout      |   |
| 3j | Provision of drilling and blasting in mineral benches   | Proposed                                      | Drilling & blasting carriedout for OB and ore benches                        | Drill Dia-102 and 115 mm, Spacing 3mts Burden 2.5m. Ammonium nitrite and Slurry explosive combination and LOX is used for blasting. Nonel and D-Cord are used |
| 3k | Provision of mining machineries in mineral benches  | Hydraulic Excavator and tippers are proposed. | Ore is mined out with help of excavator and tipper combination (16 to 25 T). | In addition of Excavator and Tipper combination crushed material is transported through DHC.  |

|    |  |   |  |   |
|----|--|---|--|---|
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Bench height 7 to 9mtrs Bench width 7 to 10Mts.   | Benches Height maintained as proposed. Benches width not maintained as proposed in the eastern side of the pit between the section line NB-NB' and NC-NC'  | Benches width not maintained as proposed. Violation issued.                         |
| 3m | Total area covered under excavation/pits   | 86.655 Ha (till plan period 2021-22)  | 86.655 Ha at the end of Year 2021-22   | As per A.R. 2020-21   |
| 3n | Ore to OB ratio for the pit/mine during the year.  | 1:2.18  | 1:2.18   | Iron ore: 1800000 tons<br>OB: 2214750 tons<br>Bulk density for OB/waste is 2 ton/m3 |
| 3o | Total area put in use under different heads at the end of year                                       | (i)Mining:86.655 Ha,<br>(ii) Active Dump: 42.04Ha<br>(iii) Inactive Dump: 34.742 Ha,<br>(iv) BHQ Dump : 7.410 Ha<br>(v) Mineral Storage: 17.741Ha,<br>(vi) Infrastructure : 5.925Ha<br>(vii) Roads 2.704 Ha,<br>(viii) Mineral separation Plant: 149.469 Ha,<br>(ix) Others:149.451 Ha<br>Total 347.10 Ha<br>(till plan period i.e. upto 2021-22) | (i) Covered under current (O/C) Workings: 86.655Ha<br>(ii) Reclaimed/ Rehabilitated : 122.554Ha<br>(iii) Used for waste disposal : 84.292Ha<br>(iv) occupied by plant, buildings, residential, welfare buildings & roads : 16.557Ha<br>(v) Other purposes: 37.162<br>(vi) work done under PMCP : 0 | Achievement information from A.R. 2020-21   |

|    |  |  |  |  |
|----|--|--|--|--|
| 3p | Production of ROM mineral during the last five year period as applicable | 2016-17 -<br>1355000Tons<br>2017-18-<br>1800000Tons<br>2018-19-<br>1800000Tons<br>2019-20-<br>1800000Tons<br>2020-21-<br>1800000Tons | 2016-17 -1355000Tons<br>2017-18-1800000Tons<br>2018-19-1800000Tons<br>2019-20-1800000Tons<br>2020-21-1800000Tons | Production within the CEC capping limit  |
| 3q | General remarks of inspecting officers on method of mining etc.          |  |  | Mining operations carried out using combination of excavator tipper, Drilling and Blasting Carried out in OB and Ore Benches. Mining is carried out within the proposed extent area. Benches width not maintained as proposed in the eastern side of the pit between the section line NB-NB' and NC-NC'. Violation issued. |

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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) | Separate dumping of OB/Waste proposed | OB/Waste dumped separately | Nil     |



|    |   |   |  |  |
|----|---|---|--|--|
| 4b | Location of topsoil, OB and mineral reject dumps            | Proposed location of OB: Dump 2 (Active): E649000-E649650, N1681200-N1681800 Dump 3 (Active): E648400-E6493002, N1682000-N1682600 Dump 6 (Active): E650100-E650650, N1680800-N1681200 | Actual location Dump 2 (Active): E649000-E649650, N1681200-N1681800 Dump 3 (Active): E648400-E6493002, N1682000-N1682600 Dump 6 (Active): E650100-E650650, N1680800-N1681200 | During the inspection it is observed that, at Dump no. 6, Teracing of dump and laying of coir mat work was in progress for stabilization of dump.  |
| 4c | Number of dumps within lease area and outside of lease area | Within Lease: 5 OB Dumps Outside Lease: 1 OB Dump   | Within Lease: 3 Active Dumps & 2 Inactive Dumps Outside Lease: 1 Inactive Dump   | One OB Dump present outside the lease area as per the survey of CEC Year 2011-12   |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16)       | Dumps proposed outside UPL At northern part of the pit backfilling proposed   | All Dumps observed outside UPL Backfilling not carried during the year 2020-21 due to presence of iron ore in the pit.   | During the inspection it was observed that backfilling was progress in the northern part of the pit. The proposed backfilling area contains about 40% Fe, which is above threshold value of iron ore. Hence, advised lessee to stop the back filling in the proposed area. |
| 4e | Number of active and alive dumps.                           | Three   | Three  |  |
| 4f | Number of dead dumps.                                       | Three   | Three  |  |
| 4g | Number of dumps established.                                | Three   | Three  |  |

|    |  |   |  |  |
|----|--|---|--|--|
| 4h | Whether Retaining wall or garland drain all along dumps are there. | Retaining wall and garland drain proposed all along dumps<br><br>105mts | Retaining wall and garland drain were constructed all along dumps<br>105 mts | 2924mts is the cumulative retaining wall   |
| 4i | Length of Retaining wall or garland drain all along dumps          | 105.2mtr Retaining wall at the toe of the dumps                         | 105 mts Toe wall and Garland drain constructed around Dump no.2              | RW & GD was constructed as per Approved R&R Plan. As per lessee, in total 2924 Mtrs of Toe Wall<br>2806 Mtrs G drain constructed along the dumps   |
| 4j | Number of settling ponds   | No Proposals  | 5 nos.   |  |
| 4k | Specific comments of inspecting officer on waste dump management   |   |  | During the inspection it was observed that backfilling was progress in the northern part of the pit. Beneath the proposed backfilling area contains about 40% Fe, which is above threshold value of iron ore. Hence, advised lessee to stop the back filling in the proposed area. W.r.t. previous inspection violation, at Dump no. 6, lessee has carried out Terracing of dump and laying of coir mat on dump for stabilization. |

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Solid Waste Management - Backfilling:

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| 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. | Proposed to back fill north-eastern part of the Mined out area in the year 2020-21 with BHQ | Backfilling not carried out during the year 2020-21 due to existence of mineral in the proposed area | During 2020-2021 mineral was not exhausted, hence backfilling not carried out in the Proposed area. Backfilling is commenced with BHQ material in the year 2021-22. During the inspection it was observed that, proposed back filled area contains iron ore (Fe) around 40%. Advised lessee to stop the back filling immediately and vide letter dated 16/09/2021 suggested lessee to stop the backfilling and reassess the reserves and resources as per revised Threshold value notification dated 25th April 2018 |
| 5b | Area under backfilling of mined out area  | Proposed at section line NA4-NA4' to NA3-NA3' L200m x W130m x D80m                          | No backfilling done during the year 2020-21 due to iron ore not exhausted in the proposed area       | Back filling not carried out during the year 2020-21 due to iron ore not exhausted in the proposed area.   |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)     | No proposal   | NA   | Top soil generated were used for plantation in the past  |
| 5d | Total area fully reclaimed and rehabilitated  | Proposed 122.554 Ha at the end of Plan period   | 122.554 Ha   | As per A.R. 2020-21  |

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|----|--|--|
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | Backfilling was proposed in FY 2020-21 after full extraction of mineral in North Block. Since the mineral has not exhausted completely, lessee has not carried out back filling in the year 2020-21. However, lessee has commenced the backfilling in year 2021-22. During the inspection it was observed that, iron ore (Fe) around 40% exists beneath the proposed backfilling area. Hence, advised lessee to stop the back filling immediately and vide letter dated 16/09/2021 suggested lessee to stop the back |
|----|--|--|

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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). | Yes                                 | AS per proposal  | Submitted on 28.06.2021  |
| 6b     | Area available for rehabilitation (ha) .                                     | No Proposal                         | Nil  |  |
| 6c     | afforestation done (ha).   | Afforestation proposed on dumps 4Ha | Afforestation done on dumps and gap filling<br>Total area 4 Ha |  |
| 6d     | No. of saplings planted during the year                                      | 20000 nos                           | 20000 nos  | 19000 nos. saplings within the lease<br>1000 nos. saplings outside lease |

|    |  |  |  |   |
|----|--|--|--|---|
| 6e | Cumulative no .of plants   | Nearly 20 Lakhs both inside and outside lease area                 | 19,99,031 plants   |   |
| 6f | Any other method of rehabilitation   | No Proposal  | NA   | Nil   |
| 6g | Cost incurred on watch and care during the year  | Rs. 2.6 lakhs  | Rs. 4,93,538 /-  | As given by lessee  |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D | Proposed at section line NA4-NA4' to NA3-NA3' L200m x W130m x D80m | No backfilling done during the year 2020-21 due to iron ore not exhausted in the proposed area |   |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings          | NA   | NA   |   |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area          | 2.6 Ha   | No backfilling done during the year 2020-21 due to iron ore not exhausted in the proposed area | Backfilling commenced in the FY 2021-22. Advised lessee to stop back filling due to presence of iron ore above threshold value. |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir  | No Proposal  | NA   | Nil   |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.                   | No Proposal  | NA   | Nil   |
| 6m | Compliance of rehabilitation of waste land within lease (i)afforestation                                   | No Proposal  | NA   | Nil   |

|    |   |  |  |   |
|----|---|--|--|---|
| 6n | Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)              | No Proposal  | NA   | Nil   |
| 6o | Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation             | No Proposal  | NA   | Nil   |
| 6p | Compliance of environmental monitoring (core zone and buffer zone)                                | Environmental monitoring Proposed in core zone & buffer zone | Environmental monitoring carried out in core zone & buffer zone. | Environmental study carried out by SUMS Techno Labs Pvt Ltd., Readings are within the permissible limit.  |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. |  |  | No backfilling done during the year 2020-21 due to iron ore not exhausted in the proposed area. During the year 2021-22 backfilling commenced in the proposed area. Advised lessee to stop the back filling due iron ore above threshold value exits beneath in the backfilling area. |

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#### Mineral Conservation:

| Sl.No. | Item   | Propasals   | Actual work   | Remarks   |
|--------|--|---|---|---|
| 7a     | ROM Mineral dispatch or grade-wise sorting within lease area | Grade-wise sorting proposed within lease area<br>Total ROM 18,00,000 tons | Grade-wise sorting done for 18,00,000 tons ROM within the lease area and<br>Old ROM stock of 5740 tons of grade Fe 65+ sold as advised by DMG | Old ROM stock of 5740 tons of grade Fe 65+ sold as advised by DMG |

|    |  |   |   |   |
|----|--|---|---|---|
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical.                        | Mechanical Method proposed for grade wise mineral sorting | Grade-wise mineral sorting carried out mechanically as proposed | 475 TPH crushing and screening unit in the lease  |
| 7c | Different grade of mineral sorted out at mines.  | 60-62% Fe<br>62-below 65% Fe                              | Lumps:<br>62% to below 65%<br>Fines:<br>Lumps                   | Old ROM stock of 5740 tons of grade Fe 65+ sold as advised by DMG, no sorting done  |
| 7d | Any beneficiation process at mines   | No Proposal   | NA  | Only dry crushing and screening is done for sizing grading..  |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues |   |   | All the ROM, except fines were crushed and separated lumps and fines and sold through e-auction. Old ROM stock of 5740 tons of grade Fe 65+ sold by lessee as advised by DMG. |

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Environment:

| Sl.No. | Item   | Propasals               | Actual work  | Remarks   |
|--------|--|-------------------------|--|---|
| 8a     | Separate removal and utilization of topsoil (Rule 32)                  | No Proposal             | NA   | Mining is within the excavated pits and no top soil generation, top soil generated during earlier years are judiciously utilized. |
| 8b     | Concurrent use or storage of topsoil                                   | No Proposal             | NA   | Nil   |
| 8c     | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Separate dumps proposed | Separate dumps for overburden/waste and BHQ maintained as proposed |   |

|    |   |   |  |   |
|----|---|---|--|---|
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use           | Backfilling proposed in the North-eastern part of the northern pit by using BHQ, OB | Backfilling not carried out due to mineral not exhausted in the proposed area. | Backfilling commenced in the year 2021-22   |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Backfilling proposed in the North-eastern part of the northern pit by using BHQ     | Mineral not Exhausted  | Started backfilling in the FY 2021-22   |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41)                    | Record maintained   | Record maintained  |   |
| 8g | Survival rate   | 80 to 85 %  | 84 %   | As per A.R. 2020-21   |
| 8h | Water sprinkling on roads to control airborne dust  | Water sprinkling on roads proposed to control airborne dust                         | Water sprinkling done on regularly to control the dust.                        | 6 water tankers (10 KL and 16 KL) Fixed water sprinklers in main haulage roads and water spraying at crusher hoppers                              |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area                          |   |  | Aesthetic beauty in & around the mine was good as the lessee had carried out afforestation & other environment protective measures were in place. |

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Compliance of Rule 45:

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| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
|--------|------|-----------|-------------|---------|

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|----|---|--|---|---|
| 9a | Status of submission of Monthly and Annual returns  | M.R. Submitted on 10th August 2021 for September 2020<br>A.R. Submitted up to 2020-21 Submitted by 30.06.2021  | Monthly return submitted before 10th of every month.<br>Annual Return submitted 27/06/2021  | Both Monthly return and annual return submitted within the stipulated time. |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | Mining Engineer: Domnic Savio<br>Geologist: Shivakumar<br>Mines Manager: P Venkateshwara Rao   | Mining Engineer: Domnic Savio<br>Geologist: Shivakumar<br>Mines Manager: P Venkateshwara Rao present at Mine site during the date of inspection | NIL   |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | (i) Covered under current (O/C) Workings: 86.655Ha<br>(ii) Reclaimed/ Rehabilitated : 122.554Ha<br>(iii) Used for waste disposal : 84.292Ha<br>(iv) occupied by plant, buildings, residential, welfare buildings & roads : 16.557Ha<br>(v) Other purposes: 37.162<br>(vi) work done under PMCP : 0 | Appears to be correct   | Nil   |
| 9d | Scrutiny of Annual return on afforestation  | Saplings within Mining lease 19000 and outside mining lease 1000 @84% survival rate  | Appears to be correct   | NIL   |

|    |   |  |   |                  |
|----|---|--|---|------------------|
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | Nil  | Nil   |                  |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore                    | Total ROM production 1800000 tons<br>Opening stocks 5740 tons<br>Closing stock 0 tons  | Appears to be correct   |                  |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Ex Mine Price For Lumps 60% to below 62% : Rs. 3100 per ton<br>62% to below 65%: Rs. 4944.18<br>For Fines 62% to below 65%: Rs. 4752.59<br>Cost of production Rs. 1992 | In the cost of Production, NMET, DMF, Royalty not taken into account while calculating Cost of Production.  | Violation issued |
| 9h | Scrutiny of Annual return on fixed assets                                   | Rs. 3,87,16,469/- including land, industrial & plant & machineries   | In the Capital Structure Value of land mentioned as Rs. 4,38,92,330/-. However, the total lease area is in Forest land. Depreciation of fixed assets in Part-II of annual return given as Rs. 3,73,14,834. The values are not matching.<br>Violation issued | Violation issued |

9k      Scrutiny of            Crushers : 03    Appears to be correct  
Annual return on nos.  
mining           Diesel  
machineries       Generator : 10  
                     nos.  
                     Pumps : 03  
                     nos.  
                     Back hoe : 09  
                     nos.  
                     Trucks : 50  
                     nos.  
                     Wheel loaders-  
                     7no  
                     Water tankers-  
                     6nos

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

| Violation observed |               |               | Show couse position |           |               |
|--------------------|---------------|---------------|---------------------|-----------|---------------|
| Rule NO.           | Issued on     | Compliance on | Rule NO.            | Issued on | Compliance on |
| MCDR17             | Rule 11(1)    | 16/09/2021    |                     |           |               |
| MCDR17             | Rule 45(7)(a) | 16/09/2021    |                     |           |               |

**Date :**

(DR. Sudhakara T.L)

Indian Bureau of Mines