

MINERALS DEVELOPEMMENT AND REGULATION DIVISION

I/8001/2023

Review and updation of Mining Plan REPORT

Nagpur regional office

Mine file No : MP/BGT/MN-64/NGP

Mine code : 40MPR01062

- (i) Name of the Inspecting : G005) SANJAY M. GIRHE
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 10-JAN-23
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) Mine Name : SONEGAON
- (b) Registration NO. :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : BALAGHAT
Village : SONEGAON
Taluka : TIRODI
Post office : KATEDHARA
Pin Code :
FAX No. : 07182251237
E-mail : kdigondia@hotmail.com
Phone : 07182251884
- (f) Police Station :
- (g) First opening date : 19-MAR-12
- (h) Weekly day of rest : MON
2. Address for :
correspondance
3. (a) Lease Number : MPR2414
- (b) Lease area : 5
- (c) Period of lease : 20
- (d) Date of Expiry : 23-FEB-32
4. Mineral worked : MANGANESE ORE Main

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5. Name and Address of the

Lessee : DINESH DEVENDRALAL AGRAWAL
VIJAY NAGAR, BALAGHAT ROAD
GONDIA GONDIA MAHARASHTRA
Phone:07182251884
FAX :07182251237

6. Date of approval of Mining : Fresh under rule 22 MCR1960 27-DEC-11
Plan/Scheme of Mining Modif.of approved Mining Plan 10-MAY-13

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	During the approved ROMP period i.e. 2018-19 to 2022-23 exploration was proposed by 03 core boreholes	Exploration not carried out as proposed	Violation under Rule 11(1) of MCDR,2017 pointed out & issued.
1b	Exploration over lease area for geological axis 1 or 2	During the approved ROMP period i.e. 2018-19 to 2022-23 exploration was proposed by 03 core boreholes	Exploration not carried out as proposed	Violation under Rule 11(1) of MCDR,2017 pointed out & issued.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	During the approved ROMP period i.e. 2018-19 to 2022-23 exploration was proposed by 03 core boreholes	Exploration not carried out as proposed	
1d	Balance area to be explored to bring Geological axis in 1 or 2	During the approved ROMP period i.e. 2018-19 to 2022-23 exploration was proposed by 03 core boreholes	Exploration not done. Area under G1-1.80Ha, G2 level-3.19Ha	Area explored under G1 & G2 level by way of working pits & ore established therein
1e	Balance reserve as on 01/04/20	Reserves in Tonnes Proved(111) - 21178 MT Probable (121)-11515 MT Resources in Tonnes Feasibility(211): 7522 MT Reserves & Resources position as per Review of Mining Plan approved dtd 31.07.2018	Reserves in Tonnes Proved(111) -20678 MT Probable (121)-11515 MT Resources in Tonnes Feasibility(211): 7522 MT Reserves & Resources position as per Annual return for the year 2021-22	Reserves have depleted according to the production achieved. Mn ore production of only 30 tonnes reported during the year 2021-22.

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1f	General remarks of inspecting officers on geology, exploration etc	During the approved ROMP period i.e. 2018-19 to 2022-23 exploration was proposed by 03 core boreholes	No exploration carried out as proposed.	Manganese ore of lease area belongs to the lower sequence of metasedimentary formation of rocks of Sausar series. Ore is mostly associated with lateritic soil, quartzite and mica schist. The strike is NE-SW and dipping of 40 degree due ENE
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	During the year 2021-22 production was proposed in between N2398240 to N2398360 & E373025 to E373125 up to 330mRL	Production not carried out as per approved proposals	For the said deviations, violation under Rule 11(1) of MCDR,2017 was pointed out & issued to the leessee.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Bench height of 6m proposed in OB to win the orebody of 2m width	Mine working not carried out as per the proposals	For the said deviations, violation under Rule 11(1) of MCDR,2017 was pointed out & issued to the leessee.
2c	Stripping ratio or ore to OB ratio	Proposed as 1:0.75 CuM/Tonne	Nil	During the year 2012-22 no overburden generated as proposed. Violation pointed out & issued under Rule 11(1) of MCDR,2017
2d	Quantity of topsoil generation in m3	Not Proposed	Nil	
2e	Quantity of overburden generation in m3	1070 CuM proposed	Nil	Violation pointed out & issued under Rule 11(1) of MCDR,2017.

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2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	NA	As per approved ROMP, there is single working pit wherein Manganese ore body has been exposed at 342mRL. But during inspection some part of pit area was waterlogged.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit	Partly carried out from proposed pit.	For the said deviations, violation pointed out & issued under Rule 11(1) of MCDR,2017.
3b	Quantity of ROM mineral production proposed	7097 Tonnes proposed during the 2021-22	Only 30 Tonnes of Mn ore production carried out.	For the aforesaid deviations, violation pointed out & issued under Rule 11(1) of MCDR,2017.
3c	Recovery of sailable/usable mineral from ROM production	About 70% proposed	NA	Very less production of 30 tonnes carried out during the year 2021-22.
3d	Quantity of mineral reject generation	2129 tonnes proposed during the year 2021-22	Nil	Details not furnished in annual return for the year 2021-22
3e	Grade of mineral rejects generation and threshold value declared.	No details furnished in approved document	No details furnished in approved document	Nil
3f	Quantity of sub grade mineral generation.	Not Proposed	Nil	
3g	Grade of sub grade mineral generation	Not Proposed	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual sizing & sorting	Manual sizing & sorting carried out for different grades of ore	

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Wagon drilling of 85mm dia proposed	Nil	Excavation & development work not carried out as per approved proposals. Violation under Rule 11(1) of MCDR,2017 pointed out & issued.
3k	Provision of mining machineries in mineral benches	Wagon drill of 85mm by jack hammer Tipper Trucks-02 Nos Water Tanker-10000 Litres Hydraulic Shovel-1.2 CuM Dozer-400 HP	Wagon drill of 85mm by jack hammer Tipper Trucks-02 Nos Water Tanker-10000 Litres Hydraulic Shovel-1.2 CuM Dozer-400 HP	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Benches heights in OB benches proposed as 6m.	Benches height in OB found in order	
3m	Total area covered under excavation/pits	2.009 Ha proposed as approved ROMP	1.72 Ha as per Annual Return for the year 2021-22	Very less production carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of 2021-22 & 2022-23
3n	Ore to OB ratio for the pit/mine during the year.	1:0.75 CuM/Tone	Nil	No OB generated during the year 2012-22. For the said deviation violation under Rule 11(1) of MCDR,2017 pointed out & issued.

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3o	Total area put in use under different heads at the end of year	Pits-2.0039 Ha Waste Dumps-1.20 Ha Mineral Storage-0.0535Ha Infrastructure -0.0177Ha Roads-0.0580 Ha	Pits-0.172 Ha Waste Dumps-0.561 Ha Infrastructure-0.076 Ha Other purposes-0.058 As per Annual Return for 2021-22	During approved plan period very less production carried out in only 2021-22.
3p	Production of ROM mineral during the last five year period as applicable	2018-19 -: 3996 MT 2019-20-: 7096 MT 2020-21-: 7096 MT 2021-22-: 7097 MT 2022-23-: 7088 MT	2018-19 -: Nil 2019-20-: Nil 2020-21-: Nil 2021-22-: 30 MT 2022-23-: Nil MT	Very less production of 30MT carried out during the year 2021-22. Grade wise dispatches from the existind stocks were reported during the year 2021-22 & 23.
3q	General remarks of inspecting officers on method of mining etc.	NA	NA	As per approved ROMP, opencast method of mining of category-A was proposed. Manganese ore explotation was proposed from bed ore in pit. Requisite deployment of HEMM were also proposed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No top soil generation, OB dumping was proposed	No OB generated during the year	For the said deviation violation under Rule 11(1) of MCDR,2017 pointed out & issued.
4b	Location of topsoil, OB and mineral reject dumps	Dumping was proposed over existing dumps	No OB generated during the year	For the said deviation violation under Rule 11(1) of MCDR,2017 pointed out & issued.

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4c	Number of dumps within lease area and outside of lease area	Total 08 OB dumps within the lease area & one dump outside the lease area.	Total 08 OB dumps within the lease area & one dump outside the lease area.	For dumping outside ML area, violation under Rule 11(1) of MCDR,2017 pointed out & issued.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps outside UPL	Dumps outside UPL	Very less production carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of 2021-22 & 2022-23.
4e	Number of active and alive dumps.	NA	NA	All are old dumps.Very less production carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of 2021-22 & 2022-23
4f	Number of dead dumps.	NA	NA	Very less production carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of 2021-22 & 2022-23
4g	Number of dumps established.	NA	NA	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of 2021-22 & 2022-23

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4h	Whether Retaining wall or garland drain all along dumps are there.	No Proposals	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of 2021-22 & 2022-23
4i	Length of Retaining wall or garland drain all along dumps	No Proposals	Nil	
4j	Number of settling ponds	No Proposals	Nil	
4k	Specific comments of inspecting officer on waste dump management	NA	NA	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of 2021-22 & 2022-23

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No Proposals	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23

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5b	Area under backfilling of mined out area	Not Proposed	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed	Nil	No top soil generation was proposed.
5d	Total area fully reclaimed and rehabilitated	Not Proposed	Nil	Fully reclaimed & rehabilitated area not observed.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	NA	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23

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).	To be submitted before 1st July of every year	Submitted on 30.06.22	Submitted within stipulated time.

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6b	Area available for rehabilitation (ha) .	Not Proposed	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
6c	afforestation done (ha).	Not Proposed	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
6d	No. of saplings planted during the year	Not Proposed	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
6e	Cumulative no .of plants	NA	NA	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23

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6f	Any other method of rehabilitation	Not Proposed	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
6g	Cost incurred on watch and care during the year	Not Proposed	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	Not Proposed	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Proposed	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not Proposed	Nil	

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6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Proposed	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not Proposed	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not Proposed	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Proposed	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Proposed	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodical Air, Water, Noise monitoring Proposed	Not done	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23

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6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	NA	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	7097 MT & 7088 MT proposed during the year 2021-22 & 2022-23	During the year 2021-22 only 500 MT & in 2022-23 no production carried out	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sizing & sorting proposed	Manual sizing & sorting done	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
7c	Different grade of mineral sorted out at mines.	Below 25% Mn, 25% to below 35% Mn & 35% to below 46% Mn	Below 25% Mn, 25% to below 35% Mn & 35% to below 46% Mn	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
7d	Any beneficiation process at mines	Not Proposed	Nil	

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7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	NA	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
8b	Concurrent use or storage of topsoil	Not Proposed	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of OB proposed	Nil	No overburden generated during the year 2021-22

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8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NA	NA	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
8g	Survival rate	NA	NA	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23

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8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed by water tanker	NA	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	NA	Aesthetic beauty in and around mine area was not much good. Mine is non-operational since 2017 onwards, except very nominal production of 500MT carried out in 2021-22

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 2021-22 submitted within stipulated time	Annual Return for the year 2021-22 submitted within stipulated time	Annual Return for the year 2021-22 submitted within stipulated time
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not Given	Smt Jayshree Karmori, Geologist & Shir Allauddin Ansari, Mining Eng. were appointed & were present during inspection.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Pits-0.172 Ha Waste Dumps-0.561 Ha Infrastructure-0.076 Ha Other purposes-0.058 As per Annual Return for 2021-22	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23

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9d	Scrutiny of Annual return on afforestation	NA	NA	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not Given	NA	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	<p>Below 25% Mn Grade:</p> <p>O/S-1390.408 MT Despatch-214.44 MT C/S-1645.968 MT 25% to below 35% Mn Grade:</p> <p>O/S-691.45 MT Despatch-675.17 MT C/S-46.281 MT 35% to below 46% Mn Grade:</p> <p>O/S-424.72 MT Despatch-Nil C/S- 424.722 MT</p>	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	<p>Ex-mine price: Below 25% Mn Grade: -Rs 3871.39/MT 25% to below 35% Mn Grade- Rs 5994.54/MT 35% to below 46% Mn Grade:- Rs 15080/MT</p>	Manganese of grade Below 25% Mn & 25% to below 35% Mn Grade have been dispatched from mine.

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9h	Scrutiny of Annual return on fixed assets	Not Given	Nil	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23
9k	Scrutiny of Annual return on mining machineries	Given	Wagon drill of 85mm by jack hammer Tipper Trucks-02 Nos Water Tanker-10000 Litres Hydraulic Shovel-1.2 CuM Dozer-400 HP	Very less production of 30MT carried out during the year 2021-22 and before to this year mine was non-operational. But dispatches of grade wise Mn ore reported in few months of years 2021-22 & 2022-23

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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)	14-FEB-23			
MCDR17	Rule 31(1)	14-FEB-23			

Date :**(SANJAY M. GIRHE)**

Indian Bureau of Mines