

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

**MCDR INSPECTION REPORT**

**Nagpur regional office**

**Mine file No :** MAH/BHD/MN-42/NGP

**Mine code :** 40MSH05002

- (i) Name of the Inspecting : **S123** ) **A.K. PATEL**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri Sachin Ramtekey and Miss Mrinal Tembhurne  
Official with  
Designation
- (iv) Date of Inspection : 17-Aug-21
- (v) Prev.inspection date : 08-Jan-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **DONGRI BUZURG (B.HAMESHA)**
- (b) **Registration NO.** : **IBM/5711/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : MAHARASHTRA
- District : BHANDARA
- Village : BALAPUR HAMESHA
- Taluka : TUMSAR
- Post office : DONGRI BUZURG
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (f) Police Station :
- (g) First opening date : 01-Jan-77
- (h) Weekly day of rest : MON
2. Address for : P.O. DONGRI BUZURG  
correspondance
3. (a) Lease Number : MSH0388
- (b) Lease area : 4.07
- (c) Period of lease : 50
- (d) Date of Expiry : 08-Dec-61

MSH0066  
46.25  
50  
04-Mar-28

MSH0065  
53.98  
60  
30-Jun-22

MSH0067  
69.5  
50  
17-Feb-31

4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : M/S MANGANESE ORE (INDIA) LTD.  
3, MOUNT ROAD EXTENSION  
POST BOX NO. 34, NAGPUR  
(MP) NAGPUR MAHARASHTRA  
Phone:  
FAX :

Owner : C.P.N.PATHAK  
3, MOUNT ROAD EXTN. POST  
BOX NO. 34 NAGPUR NAGPUR  
MAHARASHTRA  
Phone: 0712 - 2545703  
FAX : 0712 - 2524996

Agent : SHRI P.D.SHARMA  
GROUP-II, MOIL, CHIKLA  
MINE, P.O.SITASAONGI,  
DISTT.-BHANDARA BHANDARA  
MAHARASHTRA  
Phone:  
FAX :

|   |   |                                |           |
|---|---|--------------------------------|-----------|
| 6. Date of approval of Mining Plan/Scheme of Mining | : | Renewal under rule 22 MCR1960  | 15-Oct-03 |
|   |   | Renewal under rule 22 MCR1960  | 15-Oct-03 |
|   |   | Mining Scheme rule 12 MCDR1988 | 25-Jan-07 |
|   |   | Mining Scheme rule 12 MCDR1988 | 28-Mar-08 |
|   |   | Mining Scheme rule 12 MCDR1988 | 21-Aug-09 |
|   |   | Mining Scheme rule 12 MCDR1988 | 13-May-13 |
|   |   | Mining Scheme rule 12 MCDR1988 | 24-May-16 |
|   |   | MP review under 17(1) MCR 2016 | 07-Jun-17 |
|   |   | MP review under 17(1) MCR 2016 | 11-Aug-17 |
|   |   | MP review under 17(1) MCR 2016 | 16-Aug-17 |
|   |   | MP modif under 17(3) MCR 2016  | 22-Feb-18 |
|   |   | FMCP under 23C(1)              | 24-Jul-18 |
|   |   | MP modif under 17(3) MCR 2016  | 08-Oct-18 |
|   |   | MP review under 17(1) MCR 2016 | 03-Mar-21 |

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

## Exploration :

| Sl.No. | Item  | Proposals          | Actual work          | Remarks            |
|--------|---|--------------------|----------------------|--------------------|
| 1a     | Backlog of previous year  | 0                  | 0                    | YES                |
| 1b     | Exploration over lease area for geological axis 1 or 2              | 0                  | 2                    | YES                |
| 1c     | Exploration Agencies and Expenditure in lakh rupees during the year | MOIL LTD.          | MOIL LTD Rs.8800/-   | AS ABOVE           |
| 1d     | Balance area to be explored to bring Geological axis in 1 or 2      | 0                  | 0                    | AS above           |
| 1e     | Balance reserve as on 01/04/20                                      | 0                  | 4857344              | insitu ore reserve |
| 1f     | General remarks of inspecting officers on geology, exploration etc  | As per mining plan | As earlier mentioned | as above           |

## Development :

| Sl.No. | Item   | Proposals      | Actual work    | Remarks       |
|--------|--|----------------|----------------|---------------|
| 2a     | Location of development w.r.t.lease area                       | CH-12 TO CH-48 | CH-12 TO CH-48 | YES           |
| 2b     | Separate benches in topsoil, overburden and minerals (Rule 15) | F/W-9,H/W-9    | F/W-9,H/W-9    | DONE AS ABOVE |
| 2c     | Stripping ratio or ore to OB ratio                             | 1:10           | 1:10           | AS Above      |
| 2d     | Quantity of topsoil generation in m3                           | Nil            | Nil            | yes           |
| 2e     | Quantity of overburden generation in m3                        | 4183945        | 3382939        | as above      |

|    |   |                    |          |  |
|----|---|--------------------|----------|--|
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | as per mining plan | not done | not done as per mining plan in some stance |
|----|---|--------------------|----------|--|

### Exploitation:

| Sl.No. | Item  | Proposals     | Actual work   | Remarks       |
|--------|---|---------------|---------------|---------------|
| 3a     | Number of pit proposed for production   | 1             | 1             | yes           |
| 3b     | Quantity of ROM mineral production proposed   | 500000 T      | 250678 T      | AS ABOVE      |
| 3c     | Recovery of sailable/usable mineral from ROM production   | 80% RECOVERY  | 89% RECOVERY  | YES           |
| 3d     | Quantity of mineral reject generation   | 70000 T       | 29744 T       | YES           |
| 3e     | Grade of mineral rejects generation and threshold value declared.                               | 17% TO 18%    | 17% TO 18%    | AS ABOVE      |
| 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                                     | NA            | NA            | NA            |
| 3i     | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | SAMPLING DONE | SAMPLING DONE | SAMPLING DONE |
| 3j     | Provision of drilling and blasting in mineral benches   | YES           | YES           | YES           |

|    |  |                       |                       |  |
|----|--|-----------------------|-----------------------|--|
| 3k | Provision of mining machineries in mineral benches   | YES                   | YES                   | YES  |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | YES                   | YES                   | YES  |
| 3m | Total area covered under excavation/pits   | 24.56 Ha (In 5 Years) | 24 Ha                 | AS ABOVE   |
| 3n | Ore to OB ratio for the pit/mine during the year.  | 1:6                   | 1:33                  | In the year R 2020-2021 leasee has handled about 8457348 tonnes of OB for the production 250678 of ROM OB<br>Achievement =22127816 T And Targate 29991821 T e.f.2018-19 to 2020-21<br>DEVIATION OBSERVED +36% MORE |
| 3o | Total area put in use under different heads at the end of year                                       | 18.703 Ha             | 16.703 Ha             | as above   |
| 3p | Production of ROM mineral during the last five year period as applicable                             | 2487500 T             | 1216427 T             | Achievement =1487500 T And Targate =933368 T, w.e.f. 2018-19 to 2020-21<br>DEVIATION OBSERVED -37% less.   |
| 3q | General remarks of inspecting officers on method of mining etc.                                      | AS PER MINING PLAQN   | AS EARLIESR MENTIONED | AS ABOVE   |

## Solid Waste Management - Dumping:

| Sl.No. | Item   | Propasals | Actual work | Remarks |
|--------|--|-----------|-------------|---------|
| 4a     | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | YES       | YES         | YES     |

|    |  |   |   |                                     |
|----|--|---|---|-------------------------------------|
| 4b | Location of topsoil, OB and mineral reject dumps                   | OB-North west dump-A, South West Dump-B South Dump-C South Dump-D | OB-North west dump-A, South West Dump-B South Dump-C South Dump-D | as above                            |
| 4c | Number of dumps within lease area and outside of lease area        | 4 within lease area   | 4 within lease area   | As above                            |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16)              | WD-A-80 MTR SD-B205 MTR   | WD-A-80 MTR SD-B205 MTR   | AS PER APPROVED MINING AS PROPOSED. |
| 4e | Number of active and alive dumps.                                  | 2   | 2   | YES                                 |
| 4f | Number of dead dumps.  | 0   | 0   | YES                                 |
| 4g | Number of dumps established.                                       | ACTIVE  | ACTIVE  | AS ABOVE                            |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | --  | --  | --                                  |
| 4i | Length of Retaining wall or garland drain all along dumps          | NIL   | NIL   | NIL                                 |
| 4j | Number of settling ponds   | NA  | NA  | NA                                  |
| 4k | Specific comments of inspecting officer on waste dump management   | AS PER MINING PLAN  | AS EARLIESR MENTIONED   | AS ABOVE                            |

#### Solid Waste Management - Backfilling:

| Sl.No. | Item  | Propasals | Actual work | Remarks |
|--------|---|-----------|-------------|---------|
| 5a     | Status of part or full extraction of mineral from mined out area before starting backfilling. | NA        | NA          | NA      |
| 5b     | Area under backfilling of mined out area  | NA        | NA          | NA      |



|    |   |    |    |    |
|----|---|----|----|----|
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | NA | NA | NA |
| 5d | Total area fully reclaimed and rehabilitated  | NA | NA | NA |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc.                | NA | NA | NA |

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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                                   | YES  | YES                  |
| 6b     | Area available for rehabilitation (ha) .   | PROPOSED PLANTATION 100 SAMPLINGS 0.3 | ACHIVED PLANTATION 100 SAMPLINGS 0.3 HA CUMULATIVE NOS-34180 PLANTED UP TO 2020-2021 | AS ABOVE             |
| 6c     | afforestation done (ha).   | SAMPLINGS                             | 0.3 HA   | AS ABOVE             |
| 6d     | No. of saplings planted during the year  | AS EARLIER MENTIONED                  | AS EARLIER MENTIONED   | AS EARLIER MENTIONED |
| 6e     | Cumulative no .of plants   | 34180 PLANTS                          | 34180 PLANTS   | YES                  |
| 6f     | Any other method of rehabilitation   | --                                    | --   | --                   |
| 6g     | Cost incurred on watch and care during the year  | --                                    | --   | --                   |
| 6h     | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D | NA                                    | NA   | NA                   |

|    |   |    |    |    |
|----|---|----|----|----|
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings         | NA | NA | NA |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area        | NA | NA | NA |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | NA | NA | NA |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.                 | NA | NA | NA |
| 6m | Compliance of rehabilitation of waste land within lease (i) afforestation                                 | NA | NA | NA |
| 6n | Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)                     | NA | NA | NA |
| 6o | Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation                    | NA | NA | NA |
| 6p | Compliance of environmental monitoring (core zone and buffer zone)  | NA | NA | NA |

|    |   |            |            |            |
|----|---|------------|------------|------------|
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | AS EARLIER | AS EARLIER | AS EARLIER |
|----|---|------------|------------|------------|

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Mineral Conservation:

| Sl.No. | Item   | Propasals   | Actual work                                       | Remarks  |
|--------|--|---|---|----------|
| 7a     | ROM Mineral dispatch or grade-wise sorting within lease area                           | yes   | yes   | yes      |
| 7b     | Method of grade-wise mineral sorting i.e. manual or mechanical.                        | Mannual   | Mannual   | as above |
| 7c     | Different grade of mineral sorted out at mines.  | 25% to 35%<br>35% to 46%<br>46% and above dioxide | 25% to 35%<br>35% to 46%<br>46% and above dioxide | as above |
| 7d     | Any beneficiation process at mines .   | NA  | NA  | NA       |
| 7e     | General remarks of inspecting officer on Mineral conservation and beneficiation issues | AS PER MINING PLAN                                | AS EARLIER MENTIONED                              | AS ABOVE |

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Environment:

| Sl.No. | Item  | Propasals | Actual work | Remarks |
|--------|---|-----------|-------------|---------|
| 8a     | Separate removal and utilization of topsoil (Rule 32) | NA        | NA          | NA      |
| 8b     | Concurrent use or storage of topsoil                  | --        | NA          | NA      |

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|    |   |                   |                      |          |
|----|---|-------------------|----------------------|----------|
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33)                                      | YES               | YES                  | YES      |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use           | NA                | NA                   | NA       |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | NA                | NA                   | NA       |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41)                    | NA                | NA                   | NA       |
| 8g | Survival rate   | --                | 70%                  | AS ABOVE |
| 8h | Water sprinkling on roads to control airborne dust  | YES               | YES                  | YES      |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area                          | AS IN MINING PLAN | AS EARLIER MENTIONED | AS ABOVE |

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Compliance of Rule 45:

| Sl.No. | Item   | Proposals  | Actual work | Remarks |
|--------|--|--|-------------|---------|
| 9a     | Status of submission of Monthly and Annual returns | M.R. Submitted as above upto...Aug-21<br>A.R. submitted.....<br>... 2020 |             | yes     |

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|    |   |     |     |     |
|----|---|-----|-----|-----|
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | yes | yes | yes |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | yes | yes | yes |
| 9d | Scrutiny of Annual return on afforestation  | yes | yes | yes |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity)                   | yes | yes | yes |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore                                      | yes | yes | yes |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost                   | yes | yes | yes |
| 9h | Scrutiny of Annual return on fixed assets   | yes | yes | yes |
| 9k | Scrutiny of Annual return on mining machineries   | YES | YES | YES |

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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) | 08-Sep-21     |                     |           |               |
| MCDR17             | Rule 11(2) | 08-Sep-21     |                     |           |               |
| MCDR17             | Rule 11(3) | 08-Sep-21     |                     |           |               |
| MCDR17             | Rule 11(4) | 08-Sep-21     |                     |           |               |

**Date :**

**(A.K. PATEL)**

Indian Bureau of Mines