

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

**MCDR INSPECTION REPORT**

**Nagpur regional office**

**Mine file No :** MAH/YTL/LST-18/NGP

**Mine code :** 38MSH26011

- (i) Name of the Inspecting : **204** ) **SNEHANKIT H. CHATTE**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri. N.N. Warwatkar, Owner & Shri. M.D. Khuspure, Ma  
Official with  
Designation
- (iv) Date of Inspection : 30-Aug-21
- (v) Prev.inspection date : 29-Jan-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **WANJRI-134**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : MAHARASHTRA  
District : YEOTMAL  
Village : WANJRI  
Taluka : WANI  
Post office : RAJUR  
Pin Code : 445309  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date : 17-Oct-66
- (h) Weekly day of rest : SUN
2. Address for :  
correspondance
3. (a) Lease Number : MSH0021  
(b) Lease area : 3.33  
(c) Period of lease : 50  
(d) Date of Expiry : 16-Oct-26
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : Shri J.M.D' Costa  
 PO- Rajur (C.Rly), Tah.  
 Wani Distt. Yavatmal (MS)  
 YEOTMAL MAHARASHTRA  
 Phone:  
 FAX :

Owner : SHRI NARENDRA N. WARWATKAR  
 AT AND PO RAJUR-445 309  
 TAHSIL WANI, DISTT.  
 YAVATMAL YEOTMAL  
 MAHARASHTRA  
 Phone: 07239-23 5952  
 FAX :

## Mining Engineer

Name : KUMAR RAJAN, Part Time  
 Qualification : B TECH (MINING)  
 Appointment/ : 20-Sep-99  
 Termination date

|                               |   |                                |           |
|-------------------------------|---|--------------------------------|-----------|
| 6. Date of approval of Mining | : | Mining Scheme rule 12 MCDR1988 | 04-Oct-04 |
| Plan/Scheme of Mining         |   | Renewal under rule 24 MCR1960  | 08-Jun-07 |
|                               |   | Mining Scheme rule 12 MCDR1988 | 11-Jul-13 |
|                               |   | MP modif under 17(3) MCR 2016  | 15-Nov-17 |

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

## Exploration :

| Sl.No. | Item  | Proposals  | Actual work   | Remarks |
|--------|---|--|---|---------|
| 1a     | Backlog of previous year  | No proposal of exploration during the year 2020-21 | Nil   | Nil     |
| 1b     | Exploration over lease area for geological axis 1 or 2              | no proposals                                       | Total area is explored upto G2 level as exposed by 3 nos pit as informed in approved mining plan. |         |
| 1c     | Exploration Agencies and Expenditure in lakh rupees during the year | No such proposal                                   | nil   |         |
| 1d     | Balance area to be explored to bring Geological axis in 1 or 2      |  | whole area is to be brought upto G1 level   |         |
| 1e     | Balance reserve as on 01/04/20                                      | as on 01.04.2021 reserves = 2317517 T              | found correct   |         |

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|----|--|---|
| 1f | General remarks of inspecting officers on geology, exploration etc | The limestone occur in the form of narrow belt measuring 5.5 km in length to n200 metre in width. The limestone is grey in colour, bedded and associated with intercalated beds of dolomitic limestone to dolomite which is white grey to brownish in nature. Limestone exposures are visible in existing pits. Limestone occurs in massive bed and thickness is about 10-20 metre. it maintains strike line of ENE-WSW with 10-20 degree dip towards North West. |
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Development :

| Sl.No. | Item   | Propasals  | Actual work                                   | Remarks   |
|--------|--|--|---|---|
| 2a     | Location of development w.r.t.lease area                       | 0-100 W & 00-200 S                               | work was carried out as per proposed location |   |
| 2b     | Separate benches in topsoil, overburden and minerals (Rule 15) | Top soil 0.5 metre thickness. No waste is there. | As per the proposal                           |   |
| 2c     | Stripping ratio or ore to OB ratio                             | NIL  | NIL   | No waste is there only some mineral reject generation proposal was there but as per actual all the ROM produced was saleable. |

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|----|---|--------|-----|--|
| 2d | Quantity of topsoil generation in m3  | 840 M3 | Nil | As Mining was very less against proposals so work was carried out existing pits so no Top soil generated |
| 2e | Quantity of overburden generation in m3   | nil    | nil | nil  |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc |        |     | The orebody is massive thick and no waste ins there . all the ROM produced was saleable.                 |

#### Exploitation:

| Sl.No. | Item  | Propasals   | Actual work                     | Remarks   |
|--------|---|---|---------------------------------|---|
| 3a     | Number of pit proposed for production                             | 01  | 01                              | total 3 pits are available in the lease area                      |
| 3b     | Quantity of ROM mineral production proposed                       | 9450 T  | 1403.590 T                      | Violation was issued for deviation in approved mining plan        |
| 3c     | Recovery of sailable/usable mineral from ROM production           | 90%   | 100%                            | All the ROM produced was saleable so no mineral reject generated. |
| 3d     | Quantity of mineral reject generation                             | 1050 T  | NIL                             | All the ROM produced was saleable so no mineral reject generated. |
| 3e     | Grade of mineral rejects generation and threshold value declared. | Less than 10 mm size and hihg sillicious material | No generation of mineral reject |   |
| 3f     | Quantity of sub grade mineral generation.                         | No proposal                                       | Nil                             |   |

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|----|--|--|--|
| 3g | Grade of sub grade mineral generation  | Not applicable   | nil  |
| 3h | Manual / Mechanised method adopted for segregating from ROM  | Manual   | Manual   |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.      | Nil  | Nil  |
| 3j | Provision of drilling and blasting in mineral benches  | spacing 1m X 1m burden and 3 metre depth   | as per the proposals   |
| 3k | Provision of mining machineries in mineral benches   | 4 meter  | working benches 4 meter  |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | 4 Meters   | 4 Meters as manual mining  |
| 3m | Total area covered under excavation/pits   | Area under mining-4.50 Ha,<br>Waste dumping 0.70Ha,<br>Infrastructure -0.02 Ha,<br>Roads-0.2 Ha,<br>Others-0.20 Ha | Area under mining-4.50 Ha,<br>Waste dumping 0.70Ha,<br>Infrastructure -0.02 Ha,<br>Roads-0.2 Ha,<br>Others-0.20 Ha |
| 3n | Ore to OB ratio for the pit/mine during the year.  | Nil  | nil  |
| 3o | Total area put in use under different heads at the end of year                                       |  | Area under mining-4.50 Ha,<br>Waste dumping 0.70Ha,<br>Infrastructure -0.02 Ha,<br>Roads-0.2 Ha,<br>Others-0.20 Ha |

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|----|--|---|---|--|
| 3p | Production of ROM mineral during the last five year period as applicable | Proposals during the year<br>2017-18= 5400T<br>2018-19 = 6750 T<br>2019-20 = 8100 T<br>2020-21 = 9450 T | Achievement<br>2017-18= 1028.055 T<br>2018-19 = 3228.135 T<br>2019-20 = 1129.515 T<br>2020-21 = 1403.59 T | violation issued for deviation in approved mining plan   |
| 3q | General remarks of inspecting officers on method of mining etc.          |   |   | Production was done at proposed location but quantity handled is very less due to less market demand |

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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 Soil and reject is proposed | No top soil and reject Top generated                |         |
| 4b     | Location of topsoil, OB and mineral reject dumps                 | 100S-200S                                       | No waste is being generated and dumped              |         |
| 4c     | Number of dumps within lease area and outside of lease area      | Inside lease area                               | No major dump is seen only some small heap is there |         |
| 4d     | Location of dumps w.r.t. ultimate pit limit (Rule 16)            | Outside UPL                                     | along the lease boundary some old heaps seen        |         |
| 4e     | Number of active and alive dumps.                                | 01  | 01  |         |
| 4f     | Number of dead dumps.  | nil   | nil   |         |
| 4g     | Number of dumps established.                                     | nil   | nil   |         |

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|----|--|----------------|-----|--|
| 4h | Whether Retaining wall or garland drain all along dumps are there. | not proposed   | nil |  |
| 4i | Length of Retaining wall or garland drain all along dumps          | not applicable | nil |  |
| 4j | Number of settling ponds   | not proposed   | nil |  |
| 4k | Specific comments of inspecting officer on waste dump management   |                |     | As per approved documents no waste material is there only some mineral reject of less than 10 mm size and high sillicious material will be treated as waste. but all the ROM generated was saleable so no waste or mineral reject generated. |

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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. | No proposal    | nil            |         |
| 5b     | Area under backfilling of mined out area  | nil            | nil            |         |
| 5c     | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)     | for plantation | for plantation |         |

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|    |  |     |     |  |
|----|--|-----|-----|--|
| 5d | Total area fully reclaimed and rehabilitated                               | nil | nil |  |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. |     |     | No area matured for backfilling hence no backfilling is done |

#### 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).                               | The annual report on PMCP should be submitted on or before 1st of July for preceding year. | report submitted |         |
| 6b     | Area available for rehabilitation (ha) .   | Nil  | Nil              |         |
| 6c     | afforestation done (ha).   | 0.25 m2  | 0.25 m2          |         |
| 6d     | No. of saplings planted during the year  | 50 nos   | seems correct    |         |
| 6e     | Cumulative no .of plants   | 170  | seems correct    |         |
| 6f     | Any other method of rehabilitation   | NIL  | NIL              |         |
| 6g     | Cost incurred on watch and care during the year  | 2000   | 2000             |         |
| 6h     | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D | NIL  | NIL              |         |

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

|    |   |             |                 |   |
|----|---|-------------|-----------------|---|
| 6p | Compliance of environmental monitoring (core zone and buffer zone)                                | No proposal | not carried out | As the production is very less which is depend on market demands hence less impact on mining was observed. However the lessee was advised to monitor the same on regular basis.   |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. |             |                 | As the production is very less which is depend on market demands hence less impact on mining was observed. However the lessee was advised to monitor the same on regular basis. lessee carried out plantation & for dust suppression water tanker on hire basis was kept. |

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#### Mineral Conservation:

| Sl.No. | Item  | Propasals    | Actual work  | Remarks |
|--------|---|--------------|--|---------|
| 7a     | ROM Mineral dispatch or grade-wise sorting within lease area    | 9450 T       | dispatch of 1457.010 T                                       |         |
| 7b     | Method of grade-wise mineral sorting i.e. manual or mechanical. | Not proposed | nil  |         |
| 7c     | Different grade of mineral sorted out at mines.                 | nil          | nil as whole limestone produced sold to near by lime klinker |         |

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|----|--|-------------|-----|--|
| 7d | Any beneficiation process at mines .   | no proposal | nil |  |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues |             |     | All the ROM produced in the mines is saleable and all grade of stone is mixed and blended while loading and making it saleable |

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**Environment:**

| Sl.No. | Item  | Propasals  | Actual work                                 | Remarks   |
|--------|---|------------|---|---|
| 8a     | Separate removal and utilization of topsoil (Rule 32)   | Yes        | nil   | no top soil is handle as work is being done in existing broken pit area.      |
| 8b     | Concurrent use or storage of topsoil  | Plantation | plantation                                  |   |
| 8c     | Separate dumps for overburden, waste rock, rejects and fines (Rule 33)                                      | yes        | small heaps of dump found in the lease area | no waste rock & mineral reject were generated as whole produced ore was sold. |
| 8d     | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use           | nil        | nil   |   |
| 8e     | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | plantation | no major dump was found                     |   |

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|    |  |              |   |   |
|----|--|--------------|---|---|
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | nil          | nil   |   |
| 8g | Survival rate  | no proposal  | Very low about 40%                              | lessee was advised to take care of plantation & increase its survival percentatge   |
| 8h | Water sprinkling on roads to control airborne dust                                       | water tanker | water tanker on hire basis for dust suppression |   |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area       |              |   | There is no any visible sign of pollution seen in mines as mining was not going on. In nearby fileds also cultivation was going on. |

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Compliance of Rule 45:

| Sl.No. | Item  | Propasals  | Actual work   | Remarks   |
|--------|---|--|---|---|
| 9a     | Status of submission of Monthly and Annual returns                                  | Monthly return should be submitted by 10th of every month and Annual Return should be submitted by 1st of July of every year | Monthly return upto July 2021 and Annual return for year 2020-21 submitted at the time of this report preparation |   |
| 9b     | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Manager & Mining Engineer M.D.Khuspure Geologist-Nil   | nopt found  | Violation for the same was issued on 14.09.2021 |

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|----|---|--|--|--|
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Area under mining-4.50 Ha,<br>Waste dumping 0.70Ha,<br>Infrastructure -0.02 Ha,<br>Roads-0.2 Ha,<br>Others (PMCP) -0.20 Ha | Area under mining-4.50 Ha,<br>Waste dumping 0.70Ha,<br>Infrastructure -0.02 Ha,<br>Roads-0.2 Ha,<br>Others (PMCP) -0.20 Ha | seems correct  |
| 9d | Scrutiny of Annual return on afforestation  | 50 nos of plantation with 40% survival   | information seems correct  | Lessee was advised to take care of plantation & increase the survival rate |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity)                   | nil  | information seem correct   |  |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore                                      | Nil opening & Closng stock for ROM   | seem correct   | total produced ore was sold.   |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost                   | Ex Mine Price= 454 454 Rs/T,<br>Sale Value= 454 Rs/T,<br>Cost of production 375 Rs/T                                       | information seems correct  |  |
| 9h | Scrutiny of Annual return on fixed assets   | nil  | information seems correct  |  |
| 9k | Scrutiny of Annual return on mining machineries   | Nil  | u  |  |

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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)    | 14-Sep-21 | 20-Oct-21     |                     |  |           |               |
| MCDR17             | Rule 55(1)(3) | 14-Sep-21 | 20-Oct-21     |                     |  |           |               |

**Date :**

**(SNEHANKIT H. CHATTE)**

Indian Bureau of Mines