

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

**MCDR INSPECTION REPORT**

**Nagpur regional office**

**Mine file No :** MAH/YTL/LST-19/NGP

**Mine code :** 38MSH26022

- (i) Name of the Inspecting : **204** ) **SNEHANKIT H. CHATTE**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri. A.N. Warwatkar, Owner Shri. V.K. Misar, QP  
Official with  
Designation
- (iv) Date of Inspection : 18-Oct-21
- (v) Prev.inspection date : 27-Jan-21

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **WANJRI (105,107,108&111)**
- (b) **Registration NO.** : **IBM/5319/2011**
- (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. : N.A.  
E-mail : N.A.  
Phone : 09822722224
- (f) Police Station : RAJULA
- (g) First opening date : 17-Oct-66
- (h) Weekly day of rest : SUN
2. Address for : POST-RAJULA  
correspondance : TAL-WANI  
DISTT.-YEOTMAL
3. (a) Lease Number : MSH0020
- (b) Lease area : 11.89
- (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 A.N.WARWATKAR  
 JAGNATH BUDHAWARI NAGPUR  
 NAGPUR MAHARASHTRA  
 Phone:  
 FAX :

Owner : Shri A.N.Warwatkar  
 Ward No.64, Jagnath  
 Budhwari, Itwari Nagpur (MS)  
 NAGPUR MAHARASHTRA  
 Phone:  
 FAX :

## Mining Engineer

Name : SHRI A.N. RAJURKAR, Full Time  
 Qualification : BE (MINING)  
 Appointment/ : 20-Sep-99  
 Termination date

|                               |   |                                |           |
|-------------------------------|---|--------------------------------|-----------|
| 6. Date of approval of Mining | : | Mining Scheme rule 12 MCDR1988 | 23-Jul-04 |
| Plan/Scheme of Mining         | : | Renewal under rule 24 MCR1960  | 10-May-07 |
|                               | : | Mining Scheme rule 12 MCDR1988 | 22-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 proposals for the year 2020-21         | Lessee has drilled sixcore boreholes in theyear 2020-21  | Lessee has sent intimation in FormI to this office on 22.07.2020   |
| 1b     | Exploration over lease area for geological axis 1 or 2              | No proposalsfor the year2020-21           | About 8.00 Ha is explored underG-1 level & 2.00 Ha under G-2 level   | Total lease area is 11.89ha, out of which 8.00Ha is explored under G-1 level , 2.00Ha under G-2 level and remaining 1.89Ha is unexplored area  |
| 1c     | Exploration Agencies and Expenditure in lakh rupees during the year | No proposal was given in the mining plan. | Exploration was carried out by the lessee himself, and total expenditure incurred on exploration, is Rs-four lakh twenty five thousand | Lessee has drilled 06 core holes (Total depth 170mtr) in the year 2020-21  |
| 1d     | Balance area to be explored to bring Geological axis in 1 or 2      | Proposal was made under G-1 level         | About 8.00Ha area is explored under G-1 and 2.00Ha under G-2 level   | Total lease area is 11.89ha, out of which 8.00Ha is explored under G-1 level , 2.00Ha under G-2 level and remaining 1.89Ha is unexplored area. Lessee has advised to explore entire mineralizedarea under G-1level, as per Rule12(3) of MCDR-2017. |

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| 1e | Balance reserve as on 01/04/20                                     | Reserves as per approved document dated 15.11.2017 is as follows:-<br>Probable M. Reserves (122) - 35,75,095tonnes.<br>Prefeasibility M. Resources (222) - 10,29,325tonnes. | Reserves/resources as on 01.04.2020. Probable M Reserves (122)-35,59,555 tonnes. Prefeasibility M Resources (222)- 10,29,325 tonnes Total- 45,88, 880 tonnes | Lessee has drilled 06 boreholes in the year 2020-21 & estimation of incremental increase in reserves/resources based on exploration data is not submitted to this office so far. Lessee has advised to submit updated reserves/resources estimation status to this office at the earliest   |
| 1f | General remarks of inspecting officers on geology, exploration etc |   | Lessee has drilled 06 boreholes in the year 2020-21  | Limestone available in the lease area is of cement grade & CaO % Varies from 42.00 to 46.00. Total lease area is 11.89Ha, out of which only 8.00Ha is explored under G-1 level and 2.00ha under G-2 level and remaining 1.89ha is unexplored. Lessee has advised to explore entire mineralized area under G-1 level as per Rule 12 (3) of MCDR-2017 |

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Development :

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| Sl.No. | Item | Proposals | Actual work | Remarks |
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|----|---|--|---|---|
| 2a | Location of development w.r.t. lease area   | No development was proposed in the present plan period. However, working for production as proposed between the co-ordinates, N-00 to N-95 & E-00 to W-120 | In the year 2020-21, working has been carried out between the co-ordinates, N-10 to N-20 and W-50 to W-100                      | Working has been carried out within the proposed area   |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15)                          | In the year 2020-21, benches were proposed in ore only   | Benches were made in ore only. (4 benches were made in pit no-1, 2 benches in pit no-2, and 01 bench each from Pit No-3, 4 & 5) | In present plan period, working was proposed in the already broken up area only, and generation of topsoil and OB was shown as nil                  |
| 2c | Stripping ratio or ore to OB ratio  | In the approved document Ore to OB ratio is shown as 1:0.10  | Generation of OB/waste rock (below threshold value) is nil in the year 2020-21  | Generation of OB/waste rock (below threshold value) is nil in the year 2020-21  |
| 2d | Quantity of topsoil generation in m <sup>3</sup>  | NIL  | NIL   | NIL   |
| 2e | Quantity of overburden generation in m <sup>3</sup>                                     | NIL  | NIL   | NIL   |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc |  |   | The mine is working manually and bench parameters were maintained almost as per the proposals. Present working is going on within the proposed area |

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**Exploitation:**


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| Sl.No. | Item | Propasals | Actual work | Remarks |
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| 3a | Number of pit proposed for production                             | Only one pit was proposed for production. Dimension of the proposed pit in the year 2020-21 was, 135m(L) x 25m(w) | Lessee has worked in one pit during 2020-21. Dimension of the pit is 50m(L) x 10m(w). Due to low demand for ore, only 2600.680 tons of ore is produced against the proposed 25,312T in the year 2020-21, so pit dimension is less compare to proposed area | Total five pits were existing within the lease area and dimension of each pit is as follows. Pit no-1- 230m(L) x 135m(w) x 10m(d), Pit no-2- 140m(L) x 125m(w) x 9m(d), Pit no-3- 40m(L) x 25m(w) x 3m(d), Pit no-4- 100m(L) x 35m(w) x 2m(d), pit no-5- 105m(L) x 30m(w) x 2m(d). |
| 3b | Quantity of ROM mineral production proposed                       | 25,312 tons in the year 2020-21   | 2600.680 tons, in the year 2020-21   | Due to low demand for ore, production was not carried out as per the proposal  |
| 3c | Recovery of sailable/usable mineral from ROM production           | 90%   | 100%   | Entire ROM produced in the year 2020-21 was saleable.  |
| 3d | Quantity of mineral reject generation                             | 2,531 tons  | nil  | No mineral reject was generated, in the year 2020-21. Entire ROM removed was sorted under Cement grade sold  |
| 3e | Grade of mineral rejects generation and threshold value declared. | Not applicable  | nil  | nil  |
| 3f | Quantity of sub grade mineral generation.                         | No sub grade mineral generation was proposed  | nil  | nil  |
| 3g | Grade of sub grade mineral generation                             | Not applicable  | nil  | nil  |

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|----|--|---|---|---|
| 3h | Manual /<br>Mechanised<br>method adopted<br>for segregating<br>from ROM  | Manual  | manual  |   |
| 3i | Any analysis or<br>beneficiation<br>study proposed<br>and carried out<br>for sub grade<br>mineral and<br>rejects.      | Not proposed  | nil   | nil   |
| 3j | Provision of<br>drilling and<br>blasting in<br>mineral benches   | Proposed<br>Jackhammer<br>drilling &<br>32mm dia.<br>Slurry<br>explosive<br>cartridge   | Drilling and blasting is<br>carried out as per the<br>proposal                            | Lessee is<br>following drilling<br>pattern 1.0mx1.0m<br>x3m (Spacing x<br>Burden x depth)   |
| 3k | Provision of<br>mining<br>machineries in<br>mineral benches  | The Proposed<br>method of<br>mining is<br>manual, and no<br>machineries<br>were proposed<br>for mining<br>activity                        | The mine is working<br>manually, and no<br>machineries were used<br>except air-compressor | Lessee is using<br>air compressor and<br>jack hammer, for<br>drilling holes to<br>carry out blasting<br>as per the<br>proposal  |
| 3l | Whether height<br>of benches in<br>overburden and<br>mineral suitable<br>for method of<br>mining proposed<br>in MP/SOM | Proposed 3.00<br>mtr bench<br>height in ore<br>& No OB and<br>mineral reject<br>benches were<br>proposed in<br>the present<br>plan period | Lessee has maintained the<br>bench height as per the<br>proposal                          | Lessee has<br>maintained 3.00 to<br>4.00mtr bench<br>height which is<br>suitable for<br>manual method of<br>mining.   |
| 3m | Total area<br>covered under<br>excavation/pits   | 0.325Ha was<br>proposed in<br>the year 2020-<br>21.   | Actual excavated area<br>in the year 2020-21 is<br>0.05Ha                                 | Since the<br>production was<br>very less, due to<br>lack of demand,<br>area covered under<br>excavation in the<br>year 2020-21,<br>Total area covered<br>under excavation<br>is 6.00Ha. |
| 3n | Ore to OB ratio<br>for the pit/mine<br>during the year.  | 1:0.10  | nil   | Generation of<br>OB/waste rock was<br>nil   |

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| 3o | Total area put in use under different heads at the end of year           | area proposed to put in use under different heads is as follows:-Area under excavation-6.00Ha, Wastedump-0.4Ha, Infrastructure & Roads-0.22ha | Area under excavation-6.00 Ha, Waste-0.4Ha Infrastructure & Roads-0.22ha   |   |
| 3p | Production of ROM mineral during the last five year period as applicable | 2020-21<br>25312 tonne<br>2019-20<br>24375 tonnes<br>2018-19<br>24375 tonnes<br>2017-18<br>11250 tonnes<br>2016-17<br>56250 tonnes            | 2020-21<br>2600.680 tonnes<br>2019-20<br>2099 tonnes<br>2018-19<br>7544 tonnes<br>2017-18<br>5897 tonnes<br>2016-17<br>4218 tonnes | The mine is working manually and bench parameters were maintained as per the proposal. Due to low demand for the ore, less production is achieved against the total proposal in the present plan period |
| 3q | General remarks of inspecting officers on method of mining etc.          |   |  |   |

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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) | Dumping was proposed for mineral reject only | No dumping was made in the present plan period, and Entire ROM produced in the present plan period is saleable | No waste dump is existing in the lease area. The waste generated earlier is utilized for making bunds along the 7.5 mtr safety zone |

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|----|--|---|--|--|
| 4b | Location of topsoil, OB and mineral reject dumps                   | Only mineral reject dump was proposed & location of proposed dump is N-00 to N-70 & E-25 to E-60. | No mineral reject dump was made in the present plan period                         | The entire ROM produced in the present plan period was saleable, so no mineral reject dump was made. Further, generation of topsoil & OB was not proposed, in the present plan period. |
| 4c | Number of dumps within lease area and outside of lease area        | Only mineral reject dump was proposed in the present plan period                                  | No mineral reject was generated in the present plan period and no dumping was made |  |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16)              | Only mineral reject dump, was proposed in the present plan period, and it was within UPL          | No mineral reject dumping was made in the present plan period                      | No dumps were made within the UPL. The waste generated earlier was utilized for making bunds in the 7.5 mtr safety zone  |
| 4e | Number of active and alive dumps.                                  | Only mineral reject dump was proposed   | Nil. No mineral reject was generated in the present plan period                    | The waste generated earlier was utilized for making bunds in the 7.5 mtr safety zone   |
| 4f | Number of dead dumps.  | Not proposed  | NIL  |  |
| 4g | Number of dumps established.                                       | Not proposed  | NIL  |  |
| 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 proposed  | NIL  |  |
| 4j | Number of settling ponds   | NOT PROPOSED  | NIL  |  |

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| 4k | Specific comments of inspecting officer on waste dump management | No waste rock ( below threshold value) or mineral reject is generated, in the present plan period. So no dumping was made in the present plan period. However, the waste removed earlier was utilized for making bunds in the 7.5mtrsafety zone |
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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. | Not proposed | Nil         |  |
| 5b     | Area under backfilling of mined out area  | Not proposed | Nil         |  |
| 5c     | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)     | Not proposed | Nil         |  |
| 5d     | Total area fully reclaimed and rehabilitated  | Not proposed | Nil         |  |
| 5e     | General remarks of inspecting officers on backfilling and reclamation etc.                    |              |             | The mineral is not extracted up to the proved depth. No area is matured for backfilling and reclamation in the present plan period |

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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).                               | Before 1st july of everyyear   | submitted within thetime limit  | submitted within thetime limit   |
| 6b     | Area available for rehabilitation (ha) .   | Not proposed   | nil   |  |
| 6c     | afforestation done (ha).   | 0.0375 ha in the present plan period                                     | 0.028 Ha in the year2020-21   | Total area covered under plantation in the present plan period is 0.1Ha                                  |
| 6d     | No. of saplings planted during the year  | 20 saplingswere proposedin the year2020-21.                              | 60 saplings were planted in the year 2020-21                                    | Total 380 saplings were planted, in the present plan period(2017-18 to 2020-21).                         |
| 6e     | Cumulative no .of plants   | 80 saplings in the present plan period upto 2020-21. (2017-18 to2020-21) | Total 380 saplings were planted, in the present plan period(2017-18to 2020-21). | Plantation was made near the office premises, and some part of 7.5mtr safety zone between BP-01and BP-02 |
| 6f     | Any other method of rehabilitation   | nil  | nil   |  |
| 6g     | Cost incurred on watch and care during the year  | Rs-3200  | Approximately Rs-2500   |  |
| 6h     | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D | not proposed   | nil   | No backfilling is proposed in the present plan period  |

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|----|---|---------------|-----|---|
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings         | not proposed  | nil | No backfilling is proposed in the present plan period |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area        | Not proposed. | NIL |   |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | Not proposed. | NIL |   |
| 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 |   |
| 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)                                | Proposed environmental monitoring in core & buffer zon | AS PROPOSED |   |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. |  |             | In the present plan period, proposal was given for only plantation in the 7.5mtr safety zone and lessee has made plantation more than the proposal. No backfilling was proposed as the area is not matured for the same |

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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 within the lease area | AS PER THE PROPOSAL | Lessee has sorted ROM under cement grade and dispatched |
| 7b     | Method of grade-wise mineral sorting i.e. manual or mechanical. | Manual                                   | manual              |   |
| 7c     | Different grade of mineral sorted out at mines.                 | Only cement grade                        | Only cement grade   |   |
| 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 | The entire ROM generated in the present plan period was saleable. So no issues were noticed regarding mineral conservation and beneficiation |
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**Environment:**


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| Sl.No. | Item  | Propasals  | Actual work   | Remarks   |
|--------|---|--|---|---|
| 8a     | Separate removal and utilization of topsoil (Rule 32)   | No top soil generation was proposed in the present plan period   | No topsoil was removed in the present plan period                 | In the present plan period, working has been proposed in the already broken up area only, so no topsoil was removed |
| 8b     | Concurrent use or storage of topsoil  | Not proposed   | nil   |   |
| 8c     | Separate dumps for overburden, waste rock, rejects and fines (Rule 33)                                      | Only mineral reject dump was proposed in the present plan period | No mineral reject dump has been formed in the present plan period | Entire ROM removed in the present plan period is saleable   |
| 8d     | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use           | Not proposed   | nil   |   |
| 8e     | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | not proposed   | nil   | nil   |

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|----|--|--|---|---|
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | Proposed 20 plantation in the year 2020-21 | Lessee has made 60 plantation in the year 2020-21   | Total plantation made in the present plan period is 380   |
| 8g | Survival rate  | Not proposed                               | 60%   | lessee has advised to take care of the plantation by regular monitoring   |
| 8h | Water sprinkling on roads to control airborne dust                                       | Not proposed                               | The mine is working manually and generation of dust is negligible. However lessee is using water tanker for dust suppression during transportation period |   |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area       |  |   | About 6.00 ha is covered by excavation and benches were almost maintained as per the proposal. No dumps were existing within the lease area and entire waste removed is utilized for making bunds in the 7.5 mtr safety zone. Plantation was made near the office area and in 7.5 mtr safety zone |

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Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
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|----|---|--|--|--|
| 9a | Status of submission of Monthly and Annual returns  | A monthly return shall be submitted before the tenth day of every month in respect of the preceding month and an annual return shall be submitted before the 1st day of July each year for the preceding financial year. | Lessee is regularly submitting monthly and annual returns  | Submitted monthly returns upto Sept-2021 and Annual returns for the year 2020-21   |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | In the annual returns submitted for the year 2020-21, Name of the mining Engineer is mentioned as P.U, Vinchurkar and no geologist was shown.  | Lessee has appointed Shri V.K.Misarar as a part time geologist . Further, Sh.P.U, Vinchurkar is appointed as a Mining Engineer | Submitted notice of appointment of Part time Geologist in form-H to this office on 08.02.2021. Further, notice of appointment of Mining Engineer not submitted hence, Violation is pointed out for the same under Rule 46 of MCDR-2017 |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Area under current working- 6.00Ha, Used for waste disposal- 0.4Ha, Infrastructure -0.22Ha   | Details of land use pattern given in the annual returns submitted for the year 2020-21 is found correct                        |  |



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| 9d | Scrutiny of Annual return on afforestation                                  | In the annual returns submitted for the year2020-21, it is mentioned that 60 saplings were planted inside the lease area | Information given on plantation was found correct            | Plantation was made near the mine office area |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | No mineral reject was shown in the annual returns submitted for the year2020-21  | No mineral reject was generated in the year2020-21           |   |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore                    | ROM- Production 2600.680 tonnes and Opening & closing stock =61.77T & 5.98 T resp.                                       | Information furnished in the annual returns is found correct |   |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Sale value & Ex mine price is shown Rs- 452/T & Cost of productionRs- 355/Tonne  | found correct  |   |
| 9h | Scrutiny of Annual return on fixed assets                                   | Value of fixedasset is shownRs- 1,0,2000   | seems correct  |   |
| 9k | Scrutiny of Annual return on mining machineries                             | No machineries were shown in the annual returns submitted for the year 2020-21   | No machineries were observed during field visit              | The mine is working manually                  |

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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 |
| Rule 46            | 12-Nov-21 | 26-Nov-21     |                     |           |               |

**Date :**

**(SNEHANKIT H. CHATTE)**

Indian Bureau of Mines