

MCDR-MiFLOLST/2/2022-BBS-IBM\_RO\_BBS  
MCDR INSPECTION REPORT

1/28716/2024

**Name of the Mine:** Ampavalli Limestone Mines, of M/s OMC Ltd,  
38ORI09006

**Name of the Inspecting Officer :** Shri Sanjay Kumar Mahapatra, ACOM

**Name of the accompanying official:** Sri Kathi Pradhan (Mines Agent), Sri Himanchala  
Acharya (Mines Manager).

**Date of Inspection:** 16.03.2024.

**General**

| S. N. | Particulars  | Details  |
|-------|--|--|
| 1     | Name of the Mine   | Ampavalli Limestone Mines  |
| 2     | Total Lease Area (Ha) with breakup of Non-forest and forest land                                     | 280.771 Hectares<br><br>Forest land- NIL   |
| 3     | Minecode   | 38ORI09006   |
| 4     | IBM Registration Number under rule 45 of MCDR, 1988  | 4421   |
| 5     | Name of the lessee, Address, phone, email and fax number   | M/s OMC Limited, OMC House, Bhubaneswar – 751001.<br>e-mail:<br><a href="mailto:planningcellomc@gmail.com">planningcellomc@gmail.com</a>   |
| 6     | Village  | Ampavalli  |
| 7     | Taluka/Mandal  | Pottangi   |
| 8     | District   | Koraput  |
| 9     | Pincode  | 764039   |
| 10    | State  | Odisha   |
| 11    | Post office  | Pottangi   |
| 12    | Nearest police station   | Sunki  |
| 13    | Nearest Railway station  | Bobbili  |
| 14    | Date of Grant of Mining Lease  | 16/08/1993   |
| 15    | Date of Execution  | 16/08/1993   |
| 16    | Date of opening of Mine  | 26/12/2014   |
| 17    | Date of first Renewal, if applicable and its period & expiry   | 16/08/2013   |
| 18    | Date of second Renewal, if applicable and its period & expiry  | 31/03/2043   |
| 19    | Date of submission of renewal application if Mining Operations are continuing under deemed extension | 24/01/2014   |
| 20    | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment           | Shri Balwant Singh, IAS<br>Managing Director<br>IDC of Odisha Ltd., IDCOL HOUSE,<br>Ashok Nagar, Unit-II,<br>PB.No.78, Bhubaneswar-1<br>Phone:0674-2530898,2535824<br>Date of Appointment-<br>11.06.2021 |
| 21    | Name of the Mine Agent with Address, phone, email, fax number and date of appointment                | Shri. Kathi Pradhan<br>South Zone,<br>Barijholra,Rayagada-765001<br>Date of Appointment-<br>15.03.2022   |
| 22    | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines    | Shri Himanchala Acharya<br>Ampavalli Limestone Mines, of<br>I D C of Odisha Ltd. Ampavalli<br>– 764039, Pottangi Tahsil,<br>Koraput (Dist.), Odisha.<br>Date of Appointment: 5/4/2017                    |

|              |    |   |  |
|--------------|----|---|--|
| 1/28716/2024 | 23 | Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine  | Shri Himanchala Acharya<br>Ampavalli Limestone Mines, of<br>I D C of Odisha Ltd. Ampavalli<br>– 764039, Pottangi Tahsil,<br>Koraput (Dist.), Odisha<br>D.O.A: 25/11/2018 |
|              | 24 | Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine        | Shri Sumanta Sahu, Msc<br>Geology<br>Date of Appointment:<br>10.10.2022  |
|              | 25 | Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.           | MPM/OTFM/19-ORI/BHU/<br>2017-18 dated 15.11.2017   |
|              | 26 | Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any. | BBS/KPT/LST/2194/RMP/22-23<br>DATED 12.01.2023   |
|              | 27 | Mineral(s) granted in lease and proved for mining   | Limestone  |
|              | 28 | Method of Mining(Open cast, Underground)  | Open cast  |
|              | 29 | Category (Fully Mechanised, Others or Manual)   | A- OTFM  |
|              | 30 | Captive/Non Captive   | Non Captive  |

### Exploration

| S.N. | Item   | Proposals for, 2022-23   | Actual work during 2022-23             | Remark   |
|------|--|--|--|--|
| 1a   | Backlog of previous year   | 44 nos   | 44 nos                                 |  |
| 1b   | Exploration over lease area for Geological axis 1 or 2.            | G1- 11.2 Ha<br>G2- 71.25 Ha  | G1- 51.7 Ha<br>G2- 7.25 Ha             |  |
| 1c   | Exploration Agency & Expenditure in lakh Rupees during the year    | M/s Earth and Environment & 80,00000/-   | M/s Earth and Environment & 80,00000/- |  |
| 1d   | Balance area to be explored to bring Geological axis in 1 or 2     | G1- Nil<br>G2- 38.5 Ha   | G2- 23.5 Ha                            | After exploration estimation has not been carried.                   |
| 1e   | Balance reserves as per latest approved document                   | 82805992   |  | Violation issued.<br>Balance resource as on 01.04.2023 95101830 tons |
| 1f   | General remarks of inspecting officer on geology, exploration etc. | Geological Study Report has not been submitted as specified in Rule 12(4B) of MCDR 2017 for the exploration carried during the year 2022-23. Violation of Rule 12(4B) of MCDR 2017 issued on 21.03.2024. |  |  |

### Development

| S.N. | Item                                      | Proposals for, 2022-23 | Actual work during 2022-23 | Remark                        |
|------|---|------------------------|----------------------------|-------------------------------|
| 2a   | Location of development w.r.t. lease area | Pit 2                  | Pit 2                      | Production is less but within |

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proposed  
area of the  
{Plan  
period.

|    |  |   |                     |  |
|----|--|---|---------------------|--|
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15)                          | Topsoil-Nil<br>OB-1   | Topsoil-Nil<br>OB-1 |  |
| 2c | Stripping ratio or ore to OB ratio   | ---   | ---                 | No OB Generated during the year 2022-23. |
| 2d | Quantity of topsoil generation in m3   | 7000 m3   | Nil                 | No development done in virgin area       |
| 2e | Quantity of overburden generation in m3  | Nil   | Nil                 | No OB Generated during the year 2022-23. |
| 2f | General remarks of inspecting officer on development of pit w.r.t. type of deposit etc | It was observed that apart from the designated mineral stack yard minerals have been stacked ( approx. 9,000 tonnes) in the western side of the Quarry-2. (ii) It is observed that no Terrence has been made and dump height is more than 15 meters. Thus violation of rule 11(1) of MCDR 2017 issued 21.03.2024. |                     |  |

**EXPLOITATION**

| Item | Proposals for, 2022-23   | Actual work during 2022-23 | Remark          |
|------|--|----------------------------|-----------------|
| 3a   | Number of pits proposed for production   | Pit 2 and Pit 3            | Pit 2 and pit 3 |
| 3b   | Quantity of ROM mineral production proposed  | 124032 m3 /336127 Tonne    | 98200 Tonne     |
| 3c   | Recovery of salable/usable mineral from ROM production                               | 118864 m3                  | 94875 Tonne     |
| 3d   | Quantity of mineral reject generation  | 5168 m3/14005              | 3325 Tonne      |
| 3e   | Grade of mineral reject generation and threshold value declared                      | 34- 42 % Cao               | 34-42 %         |
| 3f   | Quantity of sub-grade mineral generation   | NA                         | NA              |
| 3g   | Grade of sub-grade mineral generation  | NA                         | NA              |
| 3h   | Manual / Mechanised method adopted for segregating from ROM                          | Mechanized                 | Mechanized      |
| 3i   | Any analysis or beneficiation study proposed & carried out for sub-grade mineral and | Nil                        | Nil             |

reject

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|    |  |  |                                 |                |
|----|--|--|---------------------------------|----------------|
| 3j | Provision of drilling & blasting in mineral benches  | 100mm Drill  | 100mm Drill ,Being carried.     |                |
| 3k | Provision of mining machineries in mineral benches   | Yes  | Being carried.                  |                |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes  | Yes                             |                |
| 3m | Total area covered under excavation/pits   | 15.382 (ha)  | 14.75(ha)                       |                |
| 3n | Ore to OB ratio for the pit/ mine during the year  | --   | No OB generated during 2022-23. | Overall 1:0.07 |
| 3o | Total area put in use under different heads at the end of year                                       | 23.451 (ha)  | 20.61(ha)                       |                |
| 3p | Production of ROM mineral during last six-year period, as applicable                                 |  |                                 |                |
|    | 2016-17  | 350132 Mt  | 135650.000                      |                |
|    | 2017-18  | 350132 Mt  |                                 |                |
|    | 2018-19  | 350132 Mt  | 139425.000                      |                |
|    | 2019-20  | 350132 Mt  | 167190.000                      |                |
|    | 2020-21  | 350132 Mt  | 172345.000                      |                |
|    | 2021-22  | 350132 Mt  | 183528.000                      |                |
|    | 2022-23  | 350132 Mt  | 98200.000                       |                |
| 3q | General remarks of inspecting officer on method of   | It was observed that apart from the designated mineral stack yard minerals have been stacked ( approx. 9,000 tonnes) in the western side of the Quarry-2. (ii)<br>It is observed that no Terrence has been made and dump height is more than 15 meters. Thus violation of rule 11(1) of MCDR 2017 issued 21.03.2024. |                                 |                |

### Solid Waste management-Dumping

| S.N | Item  | Proposals for, 2022-23 | Actual work during 2022-23 | Remark  |
|-----|---|------------------------|----------------------------|---|
| 4a  | Separate dumping of topsoil, OB & mineral reject (Rule 33, 37)    | Nil                    | Nil                        | No Top soil or OB Generated. During the year 2022-23. |
| 4b  | Location of topsoil, OB & mineral reject dumps                    | 2035783N-708310E       | 2035783N-708310E           |   |
| 4c  | Number of dumps within lease area and outside lease area          | One                    | One                        | A new dump started in F.Y 2023-24                     |
| 4d  | Location of dumps w.r.t. ultimate pit limit                       | 2035783N-708310E       | 2035783N-708310E           | 54180 cum and height 7 m                              |
| 4e  | Number of active & alive dumps                                    | 02                     | 01                         | 01 New dump in the year 2023-24 .                     |
| 4f  | Number of dead dumps  | Nil                    | Nil                        |   |
| 4g  | Number of dumps stabilized  | Nil                    | Partial stabilization.     | 1.29 ha   |
| 4h  | Whether Retaining wall or garland drain all along dumps are there | Maintained             | Maintained                 |   |

|    |  |  |            |
|----|--|--|------------|
| 4i | Length of Retaining wall or garland drain all along dump         | Maintained   | Maintained |
| 4j | Number of settling ponds   | Maintained   | Maintained |
| 4k | Specific comments of inspecting officer on waste dump management | Violation under Rule 11(1) of MCDR 2017 issued as the dump terraces height is more andt no Terrence has been made and dump height is more than 15 meters.. |            |

### Solid Waste management-Backfilling

| S.N | Item   | Proposals for, 2022-23            | Actual work during 2022-23 | Remark                           |
|-----|--|-----------------------------------|----------------------------|----------------------------------|
| 5a  | Status on part or full extraction of mineral from mined out area before starting backfilling | NA                                | NA                         | Area not matured for backfilling |
| 5b  | Area under backfilling of mined out area   | NA                                | NA                         | Area not matured for backfilling |
| 5c  | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)      | NA                                | NA                         | Area not matured for backfilling |
| 5d  | Total area fully reclaimed & rehabilitated   | NA                                | NA                         | Area not matured for backfilling |
| 5e  | General remarks of inspecting officer on backfilling, reclamation etc                        | Area not matured for backfilling. |                            |                                  |

### Progressive Mine Closure Plan

| N. | Item  | Proposals for, 2022-23  | Actual work during 2022-23      | Remark |
|----|---|-------------------------|---------------------------------|--------|
| 6a | Whether Annual report on PMCP submitted on time - Rule 26(2).   | On or before 30.06.2023 | Submitted on 27.05.2022 with AR |        |
| 6b | Management of worked/mined out benches<br>i) Area available for rehabilitation (ha)<br>ii) Afforestation done (ha)<br>iii) No. of saplings planted during the year<br>iv) Cumulative no. of plants<br>v) Any other specific method of rehabilitation<br>vi) Cost incurred on watch & care during the year | NIL                     | NIL                             |        |
| 6c | Compliance on reclamation and rehabilitation by backfilling<br>i) Voids available for backfilling (L X B X D)<br>ii) Void filled by waste/tailings<br>iii) Afforestation on the   | NIL                     | NIL                             |        |

backfilled area

iv) Rehabilitation by making water reservoir

v) Any other specific means

|    |   |     |     |
|----|---|-----|-----|
| 6d | Compliance of Rehabilitation of waste land within lease | Nil | Nil |
|----|---|-----|-----|

i) Afforestation

ii) Area rehabilitated (ha)

iii) Method of rehabilitation

|    |  |     |     |
|----|--|-----|-----|
| 6e | Compliance of Environmental monitoring (core zone & buffer zone) | Yes | Yes |
|----|--|-----|-----|

|    |   |  |  |
|----|---|--|--|
| 6f | General remarks of inspecting officer on PMCP compliance & progressive closure operations | Environmental reports checked and found that all parameters within limit. Area not matured for reclamation and rehabilitation. |  |
|----|---|--|--|

**Mineral Conservation**

| S.N. | Item   | Proposals for, 2022-23  | Actual work during 2022-23                              | Remark                            |
|------|--|---|---|-----------------------------------|
| 7a   | ROM Mineral dispatch or grade-wise sorting within lease area                         | Mechanized sorting  | Mechanized sorting                                      | Limestone grade CaO more than 42% |
| 7b   | Method of grade-wise mineral sorting i.e. manual or mechanical                       | Mechanized sorting  | Mechanized sorting                                      | 34-42%CaO:Sub grade               |
| 7c   | Different grade of mineral sorted out at mines                                       | 34-42%CaO:Sub grade   | 34-42%CaO:Sub grade & Limestone grade CaO more than 42% |                                   |
| 7d   | Any beneficiation process at mines   | NIL   | Nil   |                                   |
| 7e   | General remarks of inspecting officer on Mineral conservation & beneficiation issues | No beneficiation process is there. Mineral dispatched to Toshali Cement Plant adjacent to Mine. |   |                                   |

**Environment**

| S.N. | Item  | Proposals for, 2022-23 | Actual work during 2022-23 | Remark  |
|------|---|------------------------|----------------------------|---|
| 8a   | Separate removal and utilization of topsoil (Rule 36)   | Nil                    | Nil                        | No topsoil for handled  |
| 8b   | Concurrent use or storage of topsoil  | Utilization            | No                         | Top soil generated being used in plantation. No top soil generated during the year 2022-23. |
| 8c   | Separate dumps for overburden, waste rock, rejects and fines (Rule 37)                            | Yes                    | Being practiced            |   |
| 8d   | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | Nil                    | Nil                        | Area Not matured.   |

|    |   |  |     |                               |
|----|---|--|-----|-------------------------------|
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Nil  | Nil | Area Not matured.             |
| 8f | Baseline information on existence of plantation & additional Plantation done                                | 800  | 800 | Over Dump and in safety Zone. |
| 8h | Water sprinkling on roads to control airborne dust  | Yes  | Yes |                               |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area                          | The mine is ODF free and general aesthetic beauty has been maintained. The mine is situated in a very remote area without any telephone signal or internet facility. It is situated in the area dominated by LWE activity. |     |                               |

### Compliance of Rule 45

| S.N | Item  | COMMENTS  |  | Remarks                    |
|-----|---|---|--|----------------------------|
| 9a  | Status of submission of Monthly and Annual returns  | M.R. Submitted upto: Feb 2024 in time.<br>A.R 2022-23 submitted before 1st July 2022        |  | AR submitted on 27.05.2023 |
| 9b  | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | Mines Manager & Mining Engineer – Shri Himanchal Acharya.<br>Geologist- Shri Sumanta Sahoo  | Mines Manager & Mining Engineer – Shri Himanchal Acharya was present during inspection and Geologist- Shri Sumanta Sahoo was absent. |                            |
| 9c  | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | o/c mining: 14.750 ha<br>building :- 0.5 ha<br>Waste Disposal :- 1.29 ha<br>Storage 1.05 ha | As per Annual return   |                            |
| 9d  | Scrutiny of Annual return on afforestation  | 800   | As per Annual return   |                            |
| 9e  | Scrutiny of Annual return on mineral reject generation (Grade & quantity)                     | 3325 mt. Cumulative<br>5125 mt  | As per Annual return   |                            |
| 9f  | Scrutiny of Annual return on ROM stock and/or graded ore                                      | Nil   | As per Annual return   |                            |
| 9g  | Scrutiny of Annual return on sale value, Ex. Mine price & production cost                     | Cost of production = 416/-<br>Ex-mine = 478/-   | As per Annual return   |                            |
| 9i  | Scrutiny of Annual return on fixed assets   | 10000/-   | As per Annual Return   |                            |
| 9k  | Scrutiny of Annual return on mining machineries   | Shovel: 02 nos<br>Tipper: 05 nos<br>Compressor: 02 nos                                      | As per Annual Return   |                            |

MCDR-MiFLOLST/2/2022-BBS-IBM\_RO\_BBS  
(Sanjay Kumar Mahapatra)  
Assistant Controller of Mines

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