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

#### Review and updation of Mining Plan REPORT

## Chennai regional office

|    | Mine :                   | file No : TN/DGL/LST-  | 41.                                     | MDS Mine code : 38TMN33046  |
|----|--------------------------|--|---|---|
|    | (i)                      | Name of the Inspecting<br>Officer and ID No.   | ŗ :                                     | KØ8 ) G.SORNADURAI KANNAN   |
|    | (ii)                     | Designation  | :                                       | Senior Mining Geologist   |
|    | (iii)                    | Accompaning mine<br>Official with<br>Designation   | :                                       | Thiru. Ramesh, DGM-Mines  |
|    | (iv)                     | Date of Inspection   | :                                       | : 30/09/2023  |
|    | (v)                      | Prev.inspection date   | :                                       |   |
|    |                          | РА   | RT-                                     | -I : GENERAL INFORMATION  |
| 1. | (a)                      | Mine Name  | :                                       | KARIKALI(125.485)   |
|    | (b)                      | Registration NO.   | :                                       | IBM/170/2011  |
|    | (c)<br>(d)<br>(e)        | Category<br>Type of Working<br>Postal address<br>State<br>District<br>Village<br>Taluka<br>Post office<br>Pin Code<br>FAX No.<br>E-mail<br>Phone | ::::::::::::::::::::::::::::::::::::::: | 624703<br>04551-220666  |
|    | (f)                      | Police Station   | :                                       | : KARIKALI  |
|    | (g)                      | First opening date   | :                                       | : 01/03/1989  |
|    | (h)                      | Weekly day of rest   | :                                       | SUN   |
| 2. |                          | ess for<br>espondance  | :                                       | SEETHAINAGAR LST MINE, ALAMBADI VILLAGE & POST,<br>DINDIGUL DIST., GUZILIAMPARAI PS, PIN-624703 |
| 3. | (a)<br>(b)<br>(c)<br>(d) | Lease Number<br>Lease area<br>Period of lease<br>Date of Expiry  | :                                       | : TMN1068<br>: 125.49<br>: 50<br>: 28/02/2039   |
| 4. | Mine                     | ral worked   | :                                       | LIMESTONE Main  |

| 5. | Name and Address of the                           |   |
|----|---|---|
|    | Lessee :  | M/s CHETTINAD CEMENT CORPN. LTD   |
|    |   | 4TH FLOOR, RANI SEETHAI<br>HALL BUILDING 603, ANNA<br>SALAI CHENNAI CITY TAMIL<br>NADU<br>Phone:044 - 8272727   |
|    |   | FAX :044 - 8241416  |
|    | Owner :   | CHETTINAD CEMENT CORPORATION LI MITED   |
|    | Uwiter .  | ARIYALUR TRICHY ROAD<br>KEELAPALURVUR POST ARIYALUR<br>TALUK, PERAMBALUR DISTRICT<br>PERAMBALUR TAMIL NADU<br>Phone:<br>FAX :   |
|    | Agent :   | V. KRISHNAN   |
|    |   | Chettinad Cement Corp Pvt<br>Ltd Ariyalur Works,<br>Keelapalur Post Ariyalur<br>Taluk & Distt ARIYALUR<br>TAMIL NADU<br>Phone: 9788858216<br>FAX :                                |
|    | Mining Engineer                                   |   |
|    | Name :  | R Thamarai Kannan,Full Time   |
|    | Qualification :                                   | B.E.(Mining)  |
|    | Appointment/ :<br>Termination date                | 02/07/2020  |
|    | Geologist   |   |
|    | Name :  | M Karthick Kumar,Full Time  |
|    | Qualification :                                   | M.Sc.(Geo)  |
|    | Appointment/ :<br>Termination date                | 02/07/2020  |
| б. | Date of approval of Min.<br>Plan/Scheme of Mining | ing : Fresh under rule 22 MCR1960 05/05/2005<br>Mining Scheme rule 12 MCDR1988 15/05/2014<br>Modif.approved Mining Scheme 19/05/2015<br>MP review under 17(1) MCR 2016 14/11/2018 |

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

Exploration :

| Sl.No. | Item  | Proposals  | Actual work  | Remarks   |
|--------|---|--|--|---|
| la     | Backlog of<br>previous year   | No Boreholes<br>has been<br>proposed<br>during 2022-<br>2023.  | 18 Boreholes has drilled   | Form-J has been<br>submitted.   |
| 1b     | Exploration over<br>lease area for<br>geological axis 1<br>or 2                 | No Additional<br>exploration<br>was been<br>proposed over<br>the lease<br>area during<br>2022-2023   | 18 nos of Additional<br>exploration were carried<br>out in the lease area<br>during 2022-2023.   | Entire 125.485<br>hectares of lease<br>area is under G-1<br>category.   |
| lc     | Exploration<br>Agencies and<br>Expenditure in<br>lakh rupees<br>during the year | No Own<br>drilling and/<br>or Contract<br>drilling<br>machines were<br>proposed for<br>Exploration.  | Contract drilling<br>machines  | Spend around 19.77<br>lakhs for<br>exploration during<br>2022-2023  |
| 1d     | Balance area to<br>be explored to<br>bring Geological<br>axis in 1 or 2         | Entire lease<br>area covers<br>under G-1<br>Category.  | Additional boreholes are<br>drilled to prove the<br>existence of limestone<br>availability at deeper<br>level.   | Total 67 boreholes<br>have been drilled<br>so far with 3507<br>meterage.  |
| le     | Balance reserve<br>as on 01/04/20   | As on<br>01.04.2023<br>Proved<br>Mineral<br>Reserves<br>(111) =<br>6760823 tons<br>Probable<br>Mineral<br>Reserves<br>(111) =<br>3278000 tons<br>Feasibility<br>Mineral<br>Resources<br>(222) =<br>14635000 tons | As on 01.04.2023<br>Proved Mineral Reserves<br>(111) = 8285480 tons<br>Probable Mineral<br>Reserves (111) = 3278000<br>tons<br>Feasibility Mineral<br>Resources (222) =<br>14635000 tons | The available<br>grade of Limestone<br>in this lease area<br>is High Grade. R &<br>R are updated<br>based on recent<br>exploration. |
| lf     | General remarks<br>of inspecting<br>officers on<br>geology,<br>exploration etc  | Area belongs<br>to<br>metamorphosed<br>crystalline<br>sediments of<br>Khondalite<br>group,<br>Archaean age   | The area comprises of<br>meta-sedimentary rocks,<br>such as quartzites, calc<br>granulites, garnet<br>bearing meta-pelites and<br>crystalline limestones.                                | grained, hard and   |

Development :

| Sl.No. | Item   | Propasals   | Actual work  | Remarks   |
|--------|--|---|--|---|
| 2a     | Location of<br>development<br>w.r.t.lease area   | During 2022-<br>2023, working<br>proposal was<br>in 4 Nos of<br>pits.   | Working was not carried<br>out as per proposal.<br>Only 2 pits have been<br>worked.        | Violation has been<br>issued under Rule<br>11(1)  |
| 2b     | Separate benches<br>in topsoil,<br>overburden and<br>minerals (Rule<br>15)                             | Overburden - 2<br>Benches<br>Minerals - 7<br>Benches  | Overburden - 2 Benches<br>Minerals - 6 Benches   | Violation has been<br>issued under Rule<br>11(1) for not<br>achieving the<br>production &<br>development. |
| 2c     | Stripping ratio<br>or ore to OB<br>ratio   | 1 : 0.91  | 1 : 0.46   | Stripping Ratio<br>deviation is due<br>to less<br>development.  |
| 2d     | Quantity of<br>topsoil<br>generation in m3   | No topsoil<br>Proposal<br>during 2022-<br>2023  | No topsoil has<br>generated.   | Topsoil utilized<br>for afforestation.  |
| 2e     | Quantity of<br>overburden<br>generation in m3  | OB waste is<br>only<br>Intercalated<br>waste. During<br>2022-2023 it<br>is proposed to<br>remove 257884<br>cum. | 110536 cum of waste<br>generation in 2022-<br>2023   | Violation has been<br>issued under Rule<br>11(1)  |
| 2f     | General remarks<br>of inspecting<br>officers on<br>development of<br>pit w.r.t. type<br>of deposit etc | OB waste is<br>only<br>Intercalated<br>waste. During<br>2022-2023 it<br>is proposed to<br>remove 257884<br>cum. | 110536 cum of waste has<br>generated against 257884<br>cum of proposal during<br>2022-2023 | Ore to OB ratio<br>has reduced due to<br>less development.  |

# Exploitation:

| Sl.No. | Item   | Propasals   | Actual work   | Remarks   |
|--------|--|---|---|---|
| 3a     | Number of pit<br>proposed for<br>production          | Development<br>and production<br>was proposed<br>in 4 Nos of<br>pits.                         | Development and<br>production are not<br>carried out in 2 pit as<br>per proposal. | Violation has<br>pointed out under<br>Rule 11(1)  |
| 3b     | Quantity of ROM<br>mineral<br>production<br>proposed | The total<br>target of<br>Production<br>proposed was<br>1262266 tons<br>during 2022-<br>2023. | Achieved Production is<br>844722 tons during 2022-<br>2023.                       | Violation has been<br>issued under Rule<br>11(1). |

| 3c | Recovery of<br>sailable/usable<br>mineral from ROM<br>production  | 80% Recovery  | 80% Recovery   | Nil  |
|----|---|---|--|--|
| 3d | Quantity of<br>mineral reject<br>generation   |   | 71849 tons of Mineral<br>Reject generated.                   | Violation has been<br>issued under Rule<br>11(1) for<br>production.                                      |
| 3e | Grade of mineral<br>rejects<br>generation and<br>threshold value<br>declared.                                     | CaO < 34  | CaO < 34   | Nil  |
| 3f | Quantity of sub<br>grade mineral<br>generation.   | No Sub Grade<br>Generation  | No Sub Grade Generation                                      | Nil  |
| 3g | Grade of sub<br>grade mineral<br>generation   | There is No<br>Generation of<br>Subgrade<br>Mineral   | There is No Generation<br>of Subgrade Mineral                | Nil  |
| 3h | Manual /<br>Mechanised<br>method adopted<br>for segregating<br>from ROM   | Mechanised<br>method  | Mechanised method  | Nil  |
| 3i | Any analysis or<br>beneficiation<br>study proposed<br>and carried out<br>for sub grade<br>mineral and<br>rejects. | No<br>Beneficiation<br>Study is<br>Proposed   | Nil  | Outside the lease<br>area beneficiation<br>plant is present.   |
| 3j | Provision of<br>drilling and<br>blasting in<br>mineral benches  | Spacing - 3.5<br>m<br>Burden - 2.5 m<br>It is Proposed<br>to drill by<br>115mm dia,<br>crawler<br>mounted down<br>hole drill. | Drilling & Blasting are<br>done as per proposal.             | Control Blasting<br>is done by using<br>Shock Tube<br>Detonators along<br>with Noiseless<br>Truck Delays |
| 3k | Provision of<br>mining<br>machineries in<br>mineral benches   | Back Hoe<br>Excavators<br>Hitachi<br>Wheel Loader<br>Tippers<br>Compressor<br>Jack Hammer<br>Water Tanker                     | As per proposal the machineries are there during inspection. | Available<br>machinery are<br>shown in Annual<br>Returns   |

| 31 | Whether height<br>of benches in<br>overburden and<br>mineral suitable<br>for method of<br>mining proposed<br>in MP/SOM | In 2022-2023,<br>Bench height<br>of 10m was<br>proposed in<br>Mineral.  | As per proposal benches are formed.   | Nil   |
|----|--|---|---|---|
| 3m | Total area<br>covered under<br>excavation/pits   | 51.85 hect<br>area is<br>proposed for<br>Pit during<br>2022-2023  | 51.85 hect areas are under Pit only.  | Nil   |
| 3n | Ore to OB ratio<br>for the pit/mine<br>during the year.  | 1 : 0.91  | 1 : 0.46  | Stripping Ratio<br>deviation is due<br>to less<br>development.            |
| 30 | Total area put<br>in use under<br>different heads<br>at the end of<br>year   | Land use<br>Pattern as on<br>01.04.2023.<br>Mines = 51.85<br>hect<br>Dump = 13.00<br>hect<br>Road = 0.16<br>hect  | Land use Pattern as on<br>01.04.2023.<br>Mines = 51.85 hect<br>Dump = 8.00 hect<br>Road = 0.16 hect                                 | Landuse pattern is<br>differ from<br>proposal due to<br>less development. |
| 3р | Production of<br>ROM mineral<br>during the last<br>five year period<br>as applicable                                   | 2022-2023 =<br>1009813 tons<br>2021-2022 =<br>1000884 tons<br>2020-2021 =<br>1259663 tons<br>2019-2020 =<br>1000937 tons<br>2018-2019 =<br>1500000 tons | 2022-2023 = 772873 tons<br>2021-2022 = 491453 tons<br>2020-2021 = 345893 tons<br>2019-2020 = 394615 tons<br>2018-2019 = 438943 tons | Achieved ROM<br>Production is<br>772873 tons during<br>2022- 2023.        |
| 3q | General remarks<br>of inspecting<br>officers on<br>method of mining<br>etc.  | Development<br>and production<br>was proposed<br>in 4 Nos of<br>pits.   | Achieved Production is<br>772873 tons during 2022-<br>2023 against proposal of<br>1009813 tons.                                     | Stripping Ratio<br>deviation is due<br>to less<br>development.            |

# Solid Waste Management - Dumping:

| Sl.No. | Item   | Propasals   | Actual work   | Remarks   |
|--------|--|---|---|---|
| 4a     | Separate dumping<br>of topsoil, OB<br>and mineral<br>rejects (Rule<br>32,33) | There is<br>proposal for<br>dumping<br>existing dump<br>during 2022-<br>2023. | As per proposal the<br>dumping are carried out<br>with less quantity. | Violation has been<br>issued under Rule<br>11(1) for less<br>development. |

| 4b | Location of<br>topsoil, OB and<br>mineral reject<br>dumps                      | to advance the                        | As per proposal the<br>dumping is done in dump-<br>15 on central side of<br>lease area. | Nil   |
|----|--|---------------------------------------|---|---|
| 4c | Number of dumps<br>within lease<br>area and outside<br>of lease area           | Lease area = 1                        | Lease area = 1  | Nil   |
| 4d | Location of<br>dumps w.r.t.<br>ultimate pit<br>limit (Rule 16)                 | Outside the<br>UPL                    | Outside the UPL   | Nil   |
| 4e | Number of active and alive dumps.  |                                       | As per proposal 1 active<br>dump are present within<br>lease area.                      | Nil   |
| 4f | Number of dead<br>dumps.   | No Proposal                           | Nil   | Nil   |
| 4g | Number of dumps established.   | No Dumps have<br>been<br>established. | No Dumps have been<br>established.  | Nil   |
| 4h | Whether<br>Retaining wall<br>or garland drain<br>all along dumps<br>are there. | No Proposal                           | Nil   | Nil   |
| 4i | Length of<br>Retaining wall<br>or garland drain<br>all along dumps             | No Proposal                           | Nil   | Nil   |
| 4j | Number of<br>settling ponds  | No Proposal                           | Nil   | Nil   |
| 4k | Specific<br>comments of<br>inspecting<br>officer on waste<br>dump management   | to advance the existing dump-         | As per proposal the<br>dumping is done in dump-<br>15 on central side of<br>lease area. | As per proposal 1<br>active dump are<br>present within<br>lease area. |

Solid Waste Management - Backfilling:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
|        |      |           |             |         |

| 5a | Status of part<br>or full<br>extraction of<br>mineral from<br>mined out area<br>before starting<br>backfilling. | No proposal<br>for<br>backfilling<br>during 2022-<br>2023 | No backfilling has done<br>during 2022-2023   | The mine was not<br>worked upto the<br>proved depth and<br>no backfilling<br>were proposed<br>during 2022-2023. |
|----|---|---|---|---|
| 5b | Area under<br>backfilling of<br>mined out area  | No Proposal   | Nil   | Nil   |
| 5c | Concurrent use<br>of topsoil for<br>restoration or<br>rehabilitation<br>of mineral out<br>area (Rule 32)        | No Proposal   | Nil   | Nil   |
| 5d | Total area<br>fully reclaimed<br>and<br>rehabilitated   | No Proposal   | Nil   | Nil   |
| 5e | General remarks<br>of inspecting<br>officers on<br>backfilling and<br>reclamation etc.                          |   | The mine was not worked<br>upto the proved depth<br>and no backfilling were<br>proposed during 2022-<br>2023. | No backfilling has<br>done during 2022-<br>2023   |

# Progressive Mine Clousre Plan:

| Sl.No. | Item  | Propasals   | Actual work                          | Remarks                         |
|--------|---|---|--------------------------------------|---------------------------------|
| ба     | Whether Annual<br>report on PMCP<br>submitted on<br>time and<br>correctly. Rule<br>23 E(2). | It should be<br>on or before<br>1st July every<br>year. | Submitted for the year<br>2022-2023. | Submitted within<br>time limit. |
| 6b     | Area available<br>for<br>rehabilitation<br>(ha) .   | No Proposal   | Nil                                  | Nil                             |
| бс     | afforestation<br>done (ha).   | No Proposal   | Nil                                  | Nil                             |
| 6d     | No. of saplings<br>planted during<br>the year   | No Proposal   | Nil                                  | Nil                             |
| 6e     | Cumulative no<br>.of plants   | No Proposal   | Nil                                  | Nil                             |
| 6f     | Any other method<br>of<br>rehabilitation  | No Proposal   | Nil                                  | Nil                             |
| бg     | Cost incurred on<br>watch and care<br>during the year                                       | No Proposal   | Nil                                  | Nil                             |

6h Compliance on No Proposal Nil Nil reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx ВхD бi Compliance on No Proposal Nil Nil reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings бj Nil Nil Compliance on No Proposal reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area 6k Compliance on No Proposal Nil Nil reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir Compliance on 61 No Proposal Nil Nil reclamation and rehabilitation by backfilling (v)any other specific means. бm Compliance of 1800 saplings Total 1850 saplings has Cumulatively 13900 rehabilitation proposed along achieved during 2022saplings planted of waste land 7.5m safety 2023 along 7.5m safety upto 2022-2023. within lease barrier of barrier of mining lease (i)afforestation mining lease area. area 2022-2023. бn Proposed 1.800 1.80 hect achieved Nil Compliance of rehabilitation hect along along 7.5m safety barrier of mining lease of waste land 7.5m safety within lease area during 2022-2023 barrier of mining lease (ii)Area rehabilitation area 2022-2023 (ha) 60 Compliance of Green Belt Plantation has been done Nil rehabilitation development as per proposal along of waste land the safety barrier. along 7.5m safety barrier within lease (iii)Method of and dump area. rehabilitation

| бр | Compliance of<br>environmental<br>monitoring (core<br>zone and buffer<br>zone)                                      | Bi-Annually<br>Survey | Environment monitoring<br>is carried out through<br>Government as well as<br>private agency.                   | Lessee is<br>conducting<br>Environmental<br>monitoring and all<br>are within<br>permissible limit |
|----|---|-----------------------|--|---|
| бq | General remarks<br>of inspecting<br>officers on PMCP<br>compliance and<br>progressive<br>closure<br>operations etc. |                       | Total 1850 saplings has<br>achieved during 2022-<br>2023 along 7.5m safety<br>barrier of mining lease<br>area. | Plantation has<br>been done as per<br>proposal along the<br>safety barrier                        |

## Mineral Conservation:

| Sl.No. | Item   | Propasals  | Actual work   | Remarks   |  |
|--------|--|--|---|---|--|
| 7a     |  |  | Achieved Production is<br>844722 tons during 2022-<br>2023.                                     |   |  |
| 7b     | Method of grade-<br>wise mineral<br>sorting i.e.<br>manual or<br>mechanical.                             | There is no<br>proposal for<br>grade wise<br>mineral<br>sorting in the<br>lease area.  | proposal for useable and sent to grade wise outside lease area in ineral crusher.               |   |  |
| 7c     | Different grade<br>of mineral<br>sorted out at<br>mines.   | The Limestone The Limestone of the<br>of the lease lease area is High<br>area is High grade. CaO varies from<br>grade. CaO 44% to 52%<br>varies from<br>44% to 52% |   | Entire production<br>is sent to outside<br>lease area crusher<br>to get the desired<br>plant feed<br>materials. |  |
| 7d     | Any<br>beneficiation<br>process at mines   | Crushing &<br>Screening<br>process at<br>outside the<br>lease area   | Inside the lease area<br>there is no<br>beneficiation process.                                  | Entire production<br>is transported to<br>crusher installed<br>outside lease<br>area.                           |  |
| 7e     | General remarks<br>of inspecting<br>officer on<br>Mineral<br>conservation and<br>beneficiation<br>issues | transported to crusher   | Achieved Production is<br>844722 tons during 2022-<br>2023 against proposal of<br>1262266 tons. | Entire production<br>is sent to outside<br>lease area crusher<br>to get the desired<br>plant feed<br>materials. |  |

## Environment:

| 8a | Separate removal<br>and utilization<br>of topsoil (Rule<br>32)   | during 2022-   | No topsoil has been<br>generated.  | Nil   |
|----|--|--|--|---|
| 8b | Concurrent use<br>or storage of<br>topsoil   | No Proposal<br>during 2022-<br>2023  | No topsoil has been<br>generated.  | Nil   |
| 8c | Separate dumps<br>for overburden,<br>waste rock,<br>rejects and<br>fines (Rule 33)   | There is<br>proposal for<br>dumping in<br>existing<br>dumps-15<br>during 2022-<br>2023.        | As per proposal the<br>dumping are carried out<br>with less quantity.  | Violation has been<br>issued under Rule<br>11(1) for less<br>development.                                       |
| 8d | Use of<br>overburden,<br>waste rock,<br>rejects and<br>fines dumps for<br>restoring the<br>land to its<br>original use                 | No Proposal  | Nil  | The mine was not<br>worked upto the<br>proved depth and<br>no backfilling<br>were proposed<br>during 2022-2023. |
| 8e | Phased<br>restoration,<br>reclamation and<br>rehabilitation<br>of lands<br>affected by<br>mining<br>operations<br>(Pits, dumps<br>etc) | No Proposal  | Nil  | Nil   |
| 8f | Baseline<br>information on<br>existence of<br>plantation and<br>additional<br>plantation done<br>(Rule 41)                             | 1800 saplings<br>proposed along<br>7.5m safety<br>barrier of<br>mining lease<br>area 2022-2023 | Total 1850 saplings has<br>achieved during 2022-<br>2023 along 7.5m safety<br>barrier of mining lease<br>area. | Plantation has<br>been done as per<br>proposal along the<br>safety barrier                                      |
| 8g | Survival rate  | No Proposal in the document.   | 85%  | Same has shown in<br>annual return  |
| 8h | Water sprinkling<br>on roads to<br>control airborne<br>dust  | proposed for   | Daily Water tanker is<br>spraying water on mines<br>roads side to control<br>airborne dust.                    | During Inspection,<br>water sprinkling<br>on mines roads has<br>been noticed.                                   |
| 8i | General remarks<br>of inspecting<br>officer on<br>aesthetic beauty<br>in and around<br>mines area                                      | Scanty<br>vegetation,<br>bushes, neem<br>are observed<br>in lease area                         | There is no prominent<br>river or stream running<br>in this area.  | Outside lease<br>area, agriculture<br>is done with<br>rainfed.  |

Compliance of Rule 45:

| Sl.No. | No. Item Propasals Actual  |  | Actual work   | Remarks   |  |
|--------|--|--|---|---|--|
| 9a     | Status of<br>submission of<br>Monthly and<br>Annual returns  | MR Submitted<br>up to = Sep<br>2022<br>AR Submitted<br>up to = 2022-<br>2023 | Returns are submitted within time limit.  | Both Annual &<br>Monthly returns<br>are submitted in<br>online            |  |
| 9b     | Scrutiny of<br>Annual return<br>for information<br>on Mining<br>Engineer,<br>Geologist and<br>Manager        | Full time<br>Mining<br>Engineer &<br>Mining<br>Geologist has<br>shown        | During inspection Mining<br>Engineer & Geologist<br>were present.                                 | Nil   |  |
| 9c     | Scrutiny of<br>Annual return on<br>land use pattern<br>for area under<br>pits, reclaimed<br>area, dumps etc. | 01.04.2023.<br>Mines = 51.85<br>hect   | Landuse Pattern is<br>filled as per approved<br>Mining Plan                                       | Nil   |  |
| 9d     | Scrutiny of<br>Annual return on<br>afforestation   | Lessee has<br>planted 1850<br>saplings<br>during 2022-<br>2023.              | Plantation has been done<br>as per proposal along<br>7.5m safety barrier of<br>mining lease area. | Cumulatively 13900<br>saplings planted<br>upto 2022-2023.                 |  |
| 9e     | Scrutiny of<br>Annual return on<br>mineral reject<br>generation<br>(Grade and<br>quantity)                   |  | Nil   | Nil   |  |
| 9f     | Scrutiny of<br>Annual return on<br>ROM stock and/or<br>graded ore  |  | Mine has produced 772873<br>tons of production<br>during 2022-2023.                               | It is captive mine<br>of M/s. Chettinad<br>Cement Corporation<br>Limited. |  |
| 9g     | Scrutiny of<br>Annual return on<br>sale value, Ex.<br>Mine price and<br>production cost                      |  | It is captive mine of M/s. Chettinad Cement Corporation Limited.                                  | Nil   |  |
| 9h     | Scrutiny of<br>Annual return on<br>fixed assets  | Fixed Assets<br>is given   | Fixed Assets is filled  | Nil   |  |
| 9k     | Scrutiny of<br>Annual return on<br>mining<br>machineries   | Machineries<br>details given   | As available in field   | Nil   |  |

| Details of violations observed during current inspection and compliance position of violation pointed out |            |            |               |                     |                         |  |
|---|------------|------------|---------------|---------------------|-------------------------|--|
| Violation observed  |            |            |               | Show couse position |                         |  |
| Rule N  | 10.        | Issued on  | Compliance on | Rule NO.            | Issued on Compliance on |  |
| MCDR17  | Rule 11(1) | 06/10/2023 |               |                     |                         |  |
| MCDR17  | Rule 33    | 06/10/2023 |               |                     |                         |  |

Date :

(G.SORNADURAI KANNAN)

Indian Bureau of Mines