

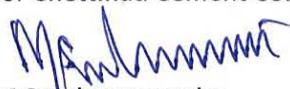
| Chettinad Cement Corporation Private Limited - Unjini Limestone Mine     |                         |                                        |      |      |                                         |      |      |                                       |      |      |                          |      |      |
|--------------------------------------------------------------------------|-------------------------|----------------------------------------|------|------|-----------------------------------------|------|------|---------------------------------------|------|------|--------------------------|------|------|
| Unjini Village , Ariyalur District, Tamilnadu                            |                         |                                        |      |      |                                         |      |      |                                       |      |      |                          |      |      |
| Ambiart Air Quality Monitoring- Consolidated Report ( Apr '17 - Sep '17) |                         |                                        |      |      |                                         |      |      |                                       |      |      |                          |      |      |
| S.No                                                                     | Location                | PM <sub>10</sub> ( µg/m <sup>3</sup> ) |      |      | PM <sub>2.5</sub> ( µg/m <sup>3</sup> ) |      |      | SO <sub>2</sub> ( µg/m <sup>3</sup> ) |      |      | NOx (µg/m <sup>3</sup> ) |      |      |
|                                                                          |                         | Max                                    | Min  | Avg  | Max                                     | Min  | Avg  | Max                                   | Min  | Avg  | Max                      | Min  | Avg  |
| 1                                                                        | Unjini Mine -Northwest  | 35.0                                   | 27.0 | 32.5 | 19.0                                    | 12.0 | 15.3 | 9.0                                   | 7.0  | 8.3  | 12.0                     | 9.0  | 10.8 |
| 2                                                                        | Loading Area -Northeast | 50.0                                   | 39.0 | 45.0 | 26.0                                    | 19.0 | 22.7 | 13.0                                  | 9.0  | 11.0 | 16.0                     | 10.0 | 13.7 |
| 3                                                                        | Haul Road -Southwest    | 45.0                                   | 32.0 | 39.0 | 23.0                                    | 14.0 | 19.0 | 13.0                                  | 11.0 | 12.3 | 18.0                     | 14.0 | 15.8 |
| 4                                                                        | Dump Yard -South        | 34.0                                   | 21.0 | 27.8 | 16.0                                    | 10.0 | 13.2 | 7.0                                   | 6.0  | 6.8  | 9.0                      | 6.0  | 7.5  |
| Norm                                                                     |                         | 100 µg/m <sup>3</sup>                  |      |      | 60 µg/m <sup>3</sup>                    |      |      | 80 µg/m <sup>3</sup>                  |      |      | 80 µg/m <sup>3</sup>     |      |      |

for Chettinad Cement Corporation Private Limited

M Sundaramoorthy  
Joint President (Works)

| Chettinad Cement Corporation Limited (Unjini Limestone Mine)    |                       |       |                  |                 |                  |                  |                 |                  |
|-----------------------------------------------------------------|-----------------------|-------|------------------|-----------------|------------------|------------------|-----------------|------------------|
| Unjini Village , Ariyalur District, Tamilnadu                   |                       |       |                  |                 |                  |                  |                 |                  |
| Noise Level Monitoring- Consolidated Report (Apr'17 to Sep '17) |                       |       |                  |                 |                  |                  |                 |                  |
| S.No                                                            | Location              | UoM   | Day              |                 |                  | Night            |                 |                  |
|                                                                 |                       |       | L <sub>min</sub> | L <sub>eq</sub> | L <sub>max</sub> | L <sub>min</sub> | L <sub>eq</sub> | L <sub>max</sub> |
| Within the Premises                                             |                       |       |                  |                 |                  |                  |                 |                  |
| 1                                                               | Unjini Mine -Boundary | dB(A) | 43.6             | 50.0            | 52.7             | 40.1             | 46.5            | 52.6             |
| 2                                                               | Loading Area          | dB(A) | 56.1             | 63.6            | 69.8             | 46.8             | 57.4            | 64.2             |
| 3                                                               | Haul Road             | dB(A) | 51.4             | 56.3            | 62.5             | 41.8             | 48.0            | 60.6             |
| Limit (L <sub>eq</sub> )                                        |                       | dB(A) | 75               |                 |                  | 70               |                 |                  |
| S.No                                                            | Location              | UoM   | Day              |                 |                  | Night            |                 |                  |
|                                                                 |                       |       | L <sub>min</sub> | L <sub>eq</sub> | L <sub>max</sub> | L <sub>min</sub> | L <sub>eq</sub> | L <sub>max</sub> |
| Outside the Premises                                            |                       |       |                  |                 |                  |                  |                 |                  |
| 1                                                               | Nallampalayam Village | dB(A) | 40.2             | 46.4            | 51.7             | 37.8             | 39.7            | 41.8             |
| 2                                                               | Unjini Village        | dB(A) | 40.1             | 44.8            | 48.3             | 34.5             | 38.7            | 41.7             |
| 3                                                               | Rayampuram Village    | dB(A) | 40.6             | 42.5            | 44.5             | 34.1             | 38.1            | 41.8             |
| 4                                                               | Sendurai Village      | dB(A) | 40.6             | 43.3            | 48.6             | 35.8             | 39.0            | 41.3             |
| Limit (L <sub>eq</sub> )                                        |                       | dB(A) | 55               |                 |                  | 45               |                 |                  |

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| Chettinad Cement Corporation Private Limited - Unjini Limestone Mine |                                                        |       |         |         |                     |         |         |         |         |         |         |         |                                |
|----------------------------------------------------------------------|--------------------------------------------------------|-------|---------|---------|---------------------|---------|---------|---------|---------|---------|---------|---------|--------------------------------|
| Unjini Village, Ariyalur District, Tamilnadu                         |                                                        |       |         |         |                     |         |         |         |         |         |         |         |                                |
| Ground /Surface Water Quality Monitoring Report( Apr '17 to Sep '17) |                                                        |       |         |         |                     |         |         |         |         |         |         |         |                                |
| S. No                                                                | Parameter                                              | UoM   | GW 1    |         | GW 2                |         | GW 3    |         | SW 1    |         | SW 2    |         | Limit                          |
|                                                                      |                                                        |       | May '17 | Aug '17 | May '17             | Aug '17 | May '17 | Aug '17 | May '17 | Aug '17 | May '17 | Aug '17 |                                |
| 1                                                                    | pH                                                     | -     | 7.4     | 7.2     | 7.5                 | 7.2     | 7.4     | 7.9     | 7.3     | 7.4     | 7.6     | 7.9     | 5.5 - 9.0                      |
| 2                                                                    | Temperature                                            | Deg C | 28      | 26      | 29                  | 28      | 29      | 27      | 29      | 27      | 29      | 28      | 40                             |
| 3                                                                    | Particle size for TSS                                  | -     | 100%    | 100%    | 100%                | 100%    | 100%    | 100%    | 100%    | 100%    | 100%    | 100%    | Shall pass 850 micron IS Sieve |
| 4                                                                    | TSS                                                    | mg/l  | 1.8     | 2.4     | 2.5                 | 1.7     | 1.4     | 1.7     | 11.7    | 1.2     | 1.9     | 2.1     | 100                            |
| 5                                                                    | TDS                                                    | mg/l  | 330     | 410     | 370                 | 380     | 370     | 350     | 330     | 360     | 350     | 370     | 2100                           |
| 6                                                                    | Chloride as Cl                                         | mg/l  | 88      | 120     | 105                 | 98      | 95      | 84      | 82      | 90      | 95      | 92      | 1000                           |
| 7                                                                    | Sulphide as S                                          | mg/l  | 0.2     | 0.1     | 0.3                 | 0.2     | 0.4     | 0.4     | 0.1     | 0.2     | 0.1     | 0.2     | 2                              |
| 8                                                                    | Sulphate as SO <sub>4</sub>                            | mg/l  | 20      | 24      | 27                  | 22      | 35      | 23      | 28      | 32      | 34      | 37      | 1000                           |
| 9                                                                    | Fluoride as F                                          | mg/l  | BDL     | BDL     | BDL                 | BDL     | BDL     | BDL     | BDL     | BDL     | BDL     | BDL     | 2                              |
| 10                                                                   | Sodium                                                 | %     | 25      | 24      | 20                  | 21      | 23      | 20      | 27      | 22      | 24      | 22      | -                              |
| 11                                                                   | Copper                                                 | mg/l  | 0.01    | 0.02    | 0.03                | 0.01    | 0.04    | 0.01    | 0.02    | 0.01    | 0.04    | 0.03    | 3                              |
| 12                                                                   | Zinc as Zn                                             | mg/l  | BDL     | BDL     | BDL                 | BDL     | BDL     | BDL     | BDL     | BDL     | BDL     | BDL     | 1                              |
| 13                                                                   | Phenolic compounds as C <sub>6</sub> H <sub>5</sub> OH | mg/l  | BDL     | BDL     | BDL                 | BDL     | BDL     | BDL     | BDL     | BDL     | BDL     | BDL     | 1                              |
| 14                                                                   | Oil & Grease                                           | mg/l  | NIL     | NIL     | NIL                 | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | 10                             |
| 15                                                                   | Boron as B                                             | mg/l  | BDL     | BDL     | BDL                 | BDL     | BDL     | BDL     | BDL     | BDL     | BDL     | BDL     | 2                              |
| 16                                                                   | BOD 3 days 27°C                                        | mg/l  | 0.2     | 0.1     | 0.1                 | 0.2     | 0.1     | 0.3     | 0.2     | 0.1     | 0.2     | 0.3     | 30                             |
| 17                                                                   | COD                                                    | mg/l  | 2       | 4       | 3                   | 2       | 2       | 3       | 3       | 1       | 2       | 2       | 250                            |
| 18                                                                   | Total Residual Chlorine                                | mg/l  | NIL     | NIL     | NIL                 | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | 1                              |
| 19                                                                   | Arsenic as As                                          | mg/l  | BDL     | BDL     | BDL                 | BDL     | BDL     | BDL     | BDL     | BDL     | BDL     | BDL     | 0.2                            |
| 20                                                                   | Cadmium as Cd                                          | mg/l  | BDL     | BDL     | BDL                 | BDL     | BDL     | BDL     | BDL     | BDL     | BDL     | BDL     | 2                              |
| 21                                                                   | Total Chromium as Cr                                   | mg/l  | BDL     | BDL     | BDL                 | BDL     | BDL     | BDL     | BDL     | BDL     | BDL     | BDL     | 2                              |
| 22                                                                   | Hexavalent Chromium                                    | mg/l  | NIL     | NIL     | NIL                 | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | 0.1                            |
| 23                                                                   | Lead as Pb                                             | mg/l  | NIL     | NIL     | NIL                 | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | 0.1                            |
| 24                                                                   | Selenium as Se                                         | mg/l  | NIL     | NIL     | NIL                 | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | 0.05                           |
| 25                                                                   | Mercury as Hg                                          | mg/l  | NIL     | NIL     | NIL                 | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | 0.01                           |
| 26                                                                   | Pesticides                                             | mg/l  | NIL     | NIL     | NIL                 | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | ---                            |
| 27                                                                   | Free Ammonia as NH <sub>3</sub>                        | mg/l  | 0.1     | 0.2     | 0.3                 | 0.2     | 0.1     | 0.2     | 0.1     | 0.1     | 0.2     | 0.2     | 5                              |
| 28                                                                   | Dissolved Phosphate as P                               | mg/l  | 0.02    | 0.02    | 0.01                | 0.01    | 0.04    | 0.01    | 0.01    | 0.02    | 0.02    | 0.01    | 5                              |
| 29                                                                   | Total Kjeldahl Nitrogen as N                           | mg/l  | 11.0    | 10.8    | 11.0                | 10.4    | 11.5    | 10.8    | 11.4    | 9.7     | 10.2    | 11.8    | 100                            |
| 30                                                                   | Cyanide as CN                                          | mg/l  | NIL     | NIL     | NIL                 | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | 0.2                            |
| 31                                                                   | Nickel as Ni                                           | mg/l  | NIL     | NIL     | NIL                 | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | NIL     | 3                              |
| GW 1 : Borewell Nallampalayam Village                                |                                                        |       |         |         | SW 1 : Kallar River |         |         |         |         |         |         |         |                                |
| GW 2 : Borewell Unjini Village                                       |                                                        |       |         |         | SW 2 : Pond Unjini  |         |         |         |         |         |         |         |                                |
| GW 3 : Borewell Rayapuram Village                                    |                                                        |       |         |         |                     |         |         |         |         |         |         |         |                                |

BDL : Below Detectable Level

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