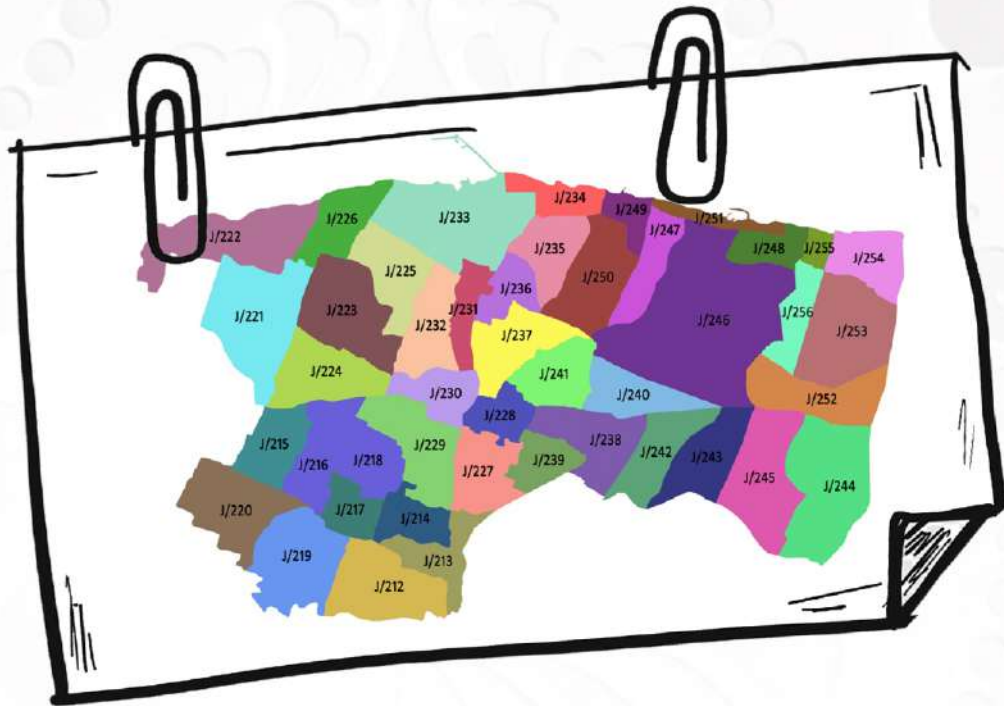




# Geographical Features

**Table: 2.1 Land area by G.N. Division**

| No.          | G.N. Division |                        | Total Area |         | Land Area |         | Large Inland Water |         |
|--------------|---------------|------------------------|------------|---------|-----------|---------|--------------------|---------|
|              | No            | Name                   | sq.km.     | Percent | sq.km.    | Percent | sq.km.             | Percent |
| 1            | J/212         | Mallakam South         | 1.79       | 2.90%   | 1.57      | 2.54%   | 0.22               | 0.36%   |
| 2            | J/213         | Mallakam Centre        | 0.97       | 1.57%   | 0.97      | 1.57%   | 0.00               | 0.00%   |
| 3            | J/214         | Mallakam North         | 0.81       | 1.31%   | 0.68      | 1.10%   | 0.13               | 0.21%   |
| 4            | J/215         | Alaveddy North         | 1.22       | 1.97%   | 1.22      | 1.97%   | 0.00               | 0.00%   |
| 5            | J/216         | Alaveddy Centre        | 1.11       | 1.80%   | 0.99      | 1.60%   | 0.12               | 0.19%   |
| 6            | J/217         | Alaveddy East          | 0.69       | 1.12%   | 0.69      | 1.12%   | 0.00               | 0.00%   |
| 7            | J/218         | Ganeswaram             | 1.03       | 1.67%   | 0.89      | 1.44%   | 0.14               | 0.23%   |
| 8            | J/219         | Alaveddy South         | 1.75       | 2.83%   | 1.60      | 2.59%   | 0.15               | 0.24%   |
| 9            | J/220         | Alaveddy West          | 1.76       | 2.85%   | 1.76      | 2.85%   | 0.00               | 0.00%   |
| 10           | J/221         | Ilavalai North         | 2.20       | 3.56%   | 2.20      | 3.56%   | 0.00               | 0.00%   |
| 11           | J/222         | Ilavalai North West    | 2.26       | 3.66%   | 2.05      | 3.32%   | 0.21               | 0.34%   |
| 12           | J/223         | Vithagapuram           | 1.54       | 2.49%   | 1.54      | 2.49%   | 0.00               | 0.00%   |
| 13           | J/224         | Pannalai               | 1.49       | 2.41%   | 1.49      | 2.41%   | 0.00               | 0.00%   |
| 14           | J/225         | Kollankaladdy          | 1.60       | 2.59%   | 1.60      | 2.59%   | 0.00               | 0.00%   |
| 15           | J/226         | Naguleswaram           | 1.32       | 2.14%   | 1.32      | 2.14%   | 0.00               | 0.00%   |
| 16           | J/227         | Tellippalai East       | 1.38       | 2.23%   | 1.38      | 2.23%   | 0.00               | 0.00%   |
| 17           | J/228         | Tellippalai            | 0.69       | 1.12%   | 0.67      | 1.08%   | 0.02               | 0.03%   |
| 18           | J/229         | Thurkkapuram           | 1.73       | 2.80%   | 1.70      | 2.75%   | 0.03               | 0.05%   |
| 19           | J/230         | Thanthaiselvapuram     | 0.90       | 1.46%   | 0.90      | 1.46%   | 0.00               | 0.00%   |
| 20           | J/231         | Maviddapuram           | 0.89       | 1.44%   | 0.86      | 1.39%   | 0.03               | 0.05%   |
| 21           | J/232         | Maviddapuram South     | 0.93       | 1.50%   | 0.93      | 1.50%   | 0.00               | 0.00%   |
| 22           | J/233         | Kankesanthurai West    | 2.57       | 4.16%   | 2.57      | 4.16%   | 0.00               | 0.00%   |
| 23           | J/234         | Kankesanthurai Centre  | 0.66       | 1.07%   | 0.63      | 1.02%   | 0.03               | 0.05%   |
| 24           | J/235         | Kankesanthurai South   | 0.66       | 1.07%   | 0.66      | 1.07%   | 0.00               | 0.00%   |
| 25           | J/236         | Palaiveemankamam North | 1.03       | 1.67%   | 0.91      | 1.47%   | 0.12               | 0.20%   |
| 26           | J/237         | Palaiveemankamam South | 1.29       | 2.09%   | 1.29      | 2.09%   | 0.00               | 0.00%   |
| 27           | J/238         | Kadduvan               | 1.24       | 2.01%   | 1.21      | 1.96%   | 0.03               | 0.05%   |
| 28           | J/239         | Kadduvan West          | 1.03       | 1.67%   | 1.03      | 1.67%   | 0.00               | 0.00%   |
| 29           | J/240         | Thenmayilai            | 1.07       | 1.73%   | 1.07      | 1.73%   | 0.00               | 0.00%   |
| 30           | J/241         | Varuthalaivilan        | 1.10       | 1.78%   | 1.08      | 1.75%   | 0.02               | 0.03%   |
| 31           | J/242         | Kurumpasiddy           | 0.92       | 1.49%   | 0.92      | 1.49%   | 0.00               | 0.00%   |
| 32           | J/243         | Kurumpasiddy East      | 1.37       | 2.22%   | 1.37      | 2.22%   | 0.00               | 0.00%   |
| 33           | J/244         | Vasavilan East         | 2.71       | 4.39%   | 2.71      | 4.39%   | 0.00               | 0.00%   |
| 34           | J/245         | Vasavilan west         | 1.79       | 2.90%   | 1.79      | 2.90%   | 0.00               | 0.00%   |
| 35           | J/246         | Myliddy North          | 5.44       | 8.80%   | 5.41      | 8.75%   | 0.03               | 0.05%   |
| 36           | J/247         | Thaiyiddy East         | 0.88       | 1.42%   | 0.88      | 1.42%   | 0.00               | 0.00%   |
| 37           | J/248         | Mayliddythurai South   | 0.53       | 0.86%   | 0.53      | 0.86%   | 0.00               | 0.00%   |
| 38           | J/249         | Thaiyiddy North        | 0.41       | 0.66%   | 0.41      | 0.66%   | 0.00               | 0.00%   |
| 39           | J/250         | Thaiyiddy South        | 1.86       | 3.01%   | 1.81      | 2.93%   | 0.05               | 0.08%   |
| 40           | J/251         | Mayliddythurai North   | 0.54       | 0.87%   | 0.54      | 0.87%   | 0.00               | 0.00%   |
| 41           | J/252         | Palali South           | 1.76       | 2.85%   | 1.76      | 2.85%   | 0.00               | 0.00%   |
| 42           | J/253         | Palaly East            | 2.23       | 3.61%   | 1.52      | 2.46%   | 0.71               | 1.15%   |
| 43           | J/254         | Palaly North           | 1.24       | 2.01%   | 1.11      | 1.80%   | 0.13               | 0.21%   |
| 44           | J/255         | Palaly North West      | 0.23       | 0.37%   | 0.08      | 0.13%   | 0.15               | 0.24%   |
| 45           | J/256         | Palaly West            | 1.18       | 1.91%   | 1.18      | 1.91%   | 0.00               | 0.00%   |
| <b>Total</b> |               |                        | 61.80      | 100.00% | 59.48     | 96.24%  | 2.32               | 3.76%   |

Source: Divisional Secretariat, Valikamam North, Tellippalai

**Table: 2.2. Mean Annual and Monthly  
Air Temperature ( Celsius) :-2020- 2021**

| S.N | Month     | 2020 |      | 2021 |      |
|-----|-----------|------|------|------|------|
|     |           | Max  | Min  | Max  | Min  |
| 1   | January   | 30   | 22.2 | 28.9 | 22.9 |
| 2   | February  | 31   | 22.2 | 29.6 | 21.5 |
| 3   | March     | 32.7 | 22.9 | 32.4 | 23.2 |
| 4   | April     | 34.4 | 25.7 | 33.2 | 26.3 |
| 5   | May       | 33.9 | 27.7 | 33.1 | 27.1 |
| 6   | June      | 33.4 | 28.1 | 32.7 | 27.3 |
| 7   | July      | 32.6 | 26.9 | 32.7 | 27.0 |
| 8   | August    | 31.6 | 27.0 | 32.7 | 26.9 |
| 9   | September | 30.7 | 26.2 | 33.0 | 26.9 |
| 10  | October   | 31.6 | 26.1 | 30.6 | 25.6 |
| 11  | November  | 30.0 | 24.3 | 29.3 | 24.5 |
| 12  | December  | 28.0 | 23.2 | 29.6 | 22.6 |

Min:- Minimum

Max:-Maximum

Source:-Department of Meteorology, Colombo-07

**Table: 2.3 Mean Annual and Monthly  
Relative Humidity(%) -2021**

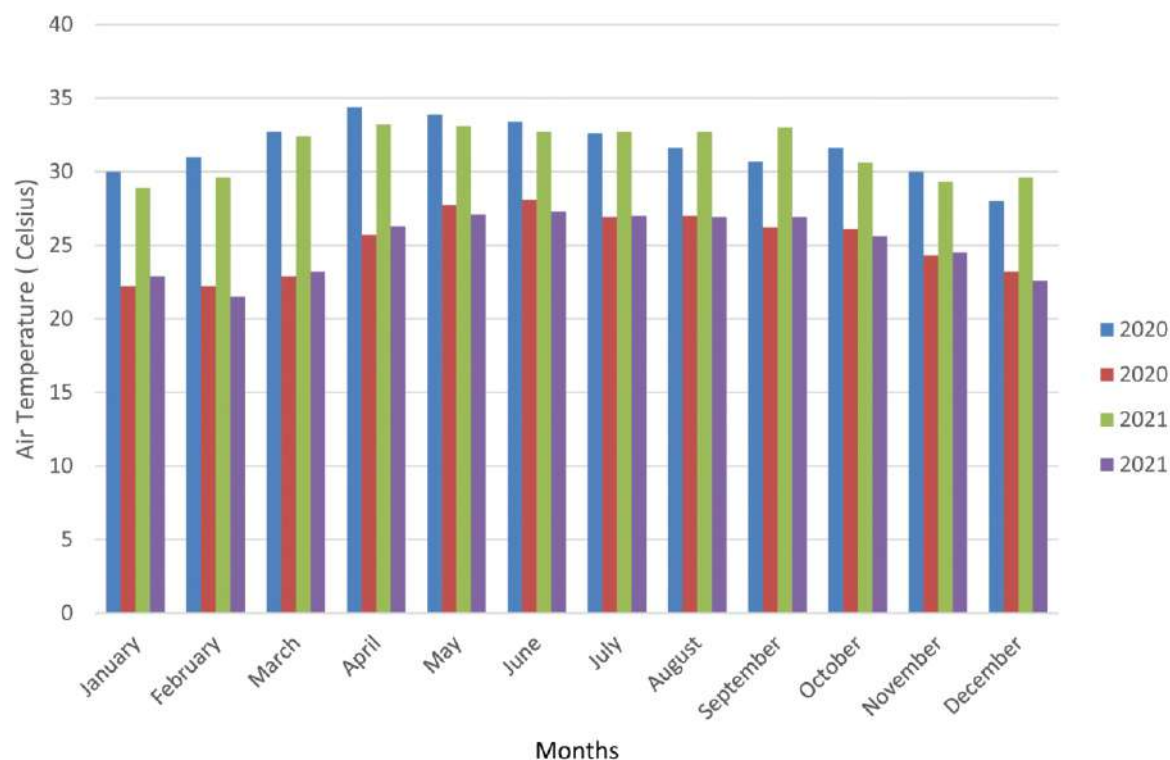
**"Percentage"**

| S.N | Month     |     |       |
|-----|-----------|-----|-------|
|     |           | Day | Night |
| 1   | January   | 80  | NA    |
| 2   | February  | 70  | NA    |
| 3   | March     | 67  | NA    |
| 4   | April     | 73  | NA    |
| 5   | May       | 74  | NA    |
| 6   | June      | 74  | NA    |
| 7   | July      | 73  | NA    |
| 8   | August    | 74  | NA    |
| 9   | September | 72  | NA    |
| 10  | October   | 82  | NA    |
| 11  | November  | 88  | NA    |
| 12  | December  | 79  | NA    |

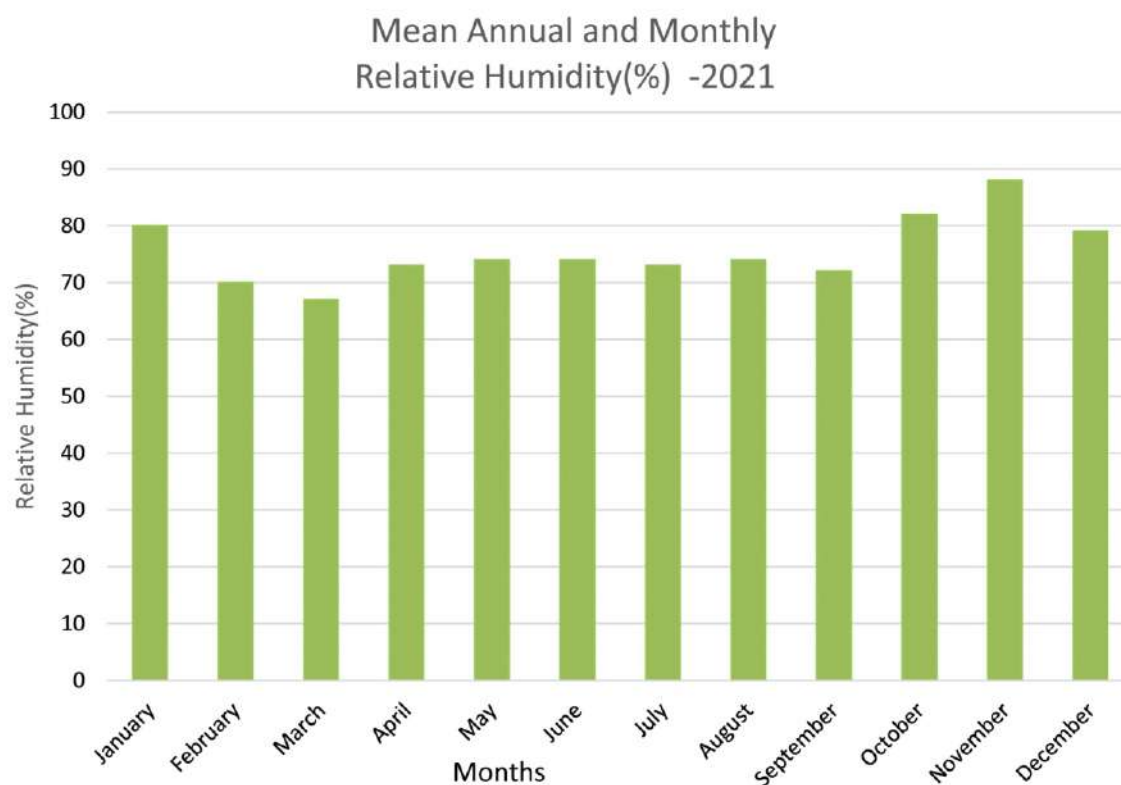
Source:-Department of Meteorology, Colombo-07



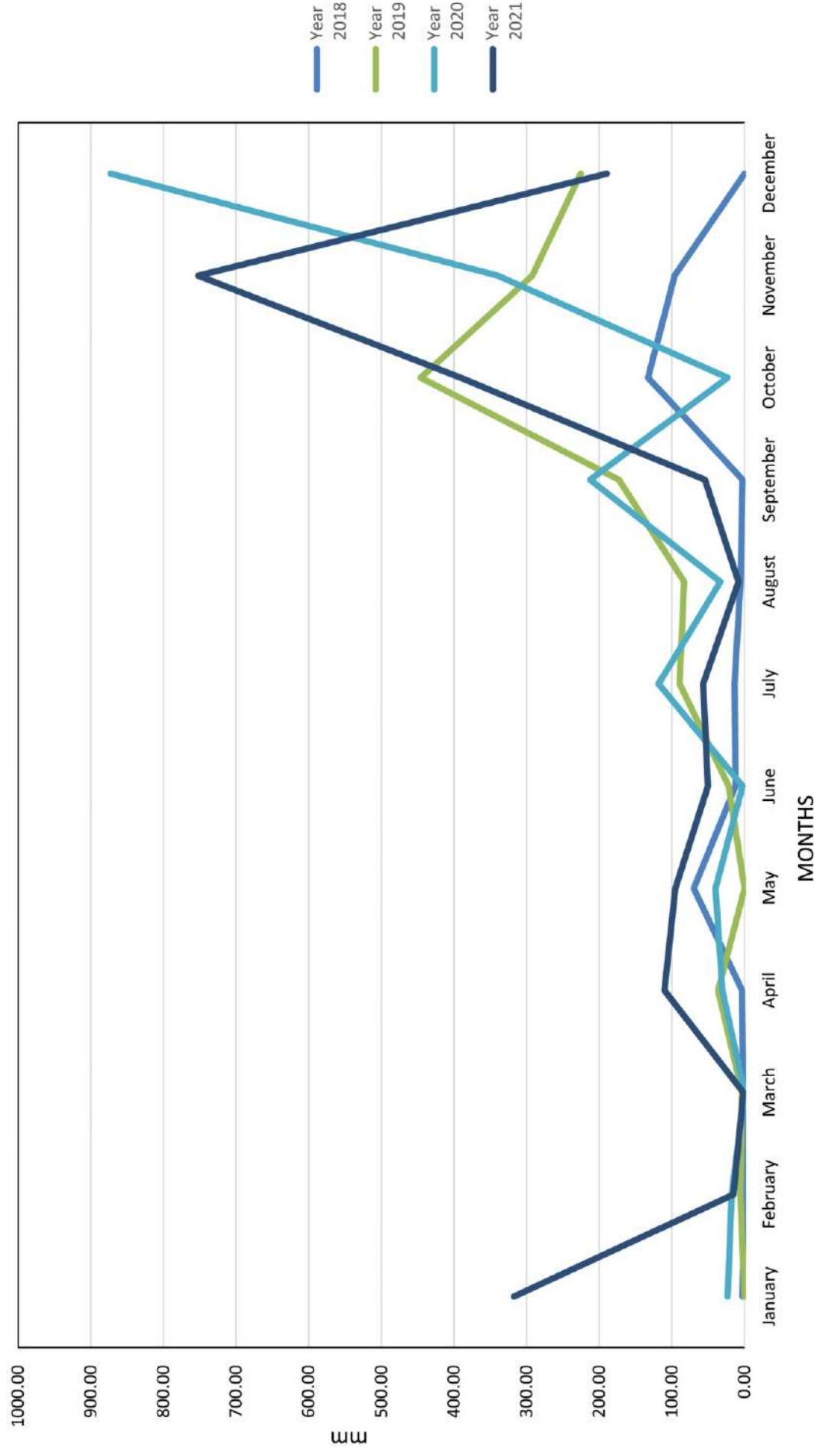
## MEAN ANNUAL AND MONTHLY AIR TEMPERATURE (CELSIUS) - 2020 - 2021



## MEAN ANNUAL AND MONTHLY RELATIVE HUMIDITY (%) - 2021



## MEAN ANNUAL AND MONTHLY RAINFALL (mm) AS OF THE YEAR 2018 - 2021



**Table: 2.4. Mean Annual and Monthly Rainfall(mm)  
as of the Year 2018- 2021**

| S.N                 | Month     | Year<br>2018  | Year<br>2019   | Year<br>2020  | Year<br>2021  |
|---------------------|-----------|---------------|----------------|---------------|---------------|
| 1                   | January   | 2.50          | 0.00           | 23.2          | 317.5         |
| 2                   | February  | 0.00          | 5.90           | 17.6          | 15.3          |
| 3                   | March     | 1.50          | 3.20           | 0             | 1.6           |
| 4                   | April     | 3.40          | 36.40          | 30.7          | 110.4         |
| 5                   | May       | 70.00         | 0.00           | 39.9          | 95.4          |
| 6                   | June      | 12.50         | 21.70          | 2.7           | 50.4          |
| 7                   | July      | 13.70         | 89.30          | 118.5         | 57.0          |
| 8                   | August    | 5.30          | 83.10          | 33.2          | 8.3           |
| 9                   | September | 2.60          | 172.70         | 212.6         | 54.7          |
| 10                  | October   | 132.60        | 446.00         | 23.3          | 390.7         |
| 11                  | November  | 96.50         | 292.20         | 339.7         | 752.4         |
| 12                  | December  | 0.00          | 225.30         | 872.9         | 189.6         |
| <b>Annual Total</b> |           | <b>340.60</b> | <b>1375.80</b> | <b>1714.3</b> | <b>2043.3</b> |

Source:-Department of Meteorology, Colombo-07

**Table: 2.5 Mean Wind Speed:2018-2021**

"km/hour"

| S.N | Month     | 2018  |       | 2019 |       | 2020 |       | 2021 |       |
|-----|-----------|-------|-------|------|-------|------|-------|------|-------|
|     |           | 8.30  | 17.30 | 8.30 | 17.30 | 8.30 | 17.30 | 8.30 | 17.30 |
| 1   | January   | 5.40  | 8.40  | NA   | NA    | NA   | NA    | NA   | NA    |
| 2   | February  | 7.40  | 9.90  | NA   | NA    | NA   | NA    | NA   | NA    |
| 3   | March     | 6.00  | 7.70  | NA   | NA    | NA   | NA    | NA   | NA    |
| 4   | April     | 6.60  | 8.30  | NA   | NA    | NA   | NA    | NA   | NA    |
| 5   | May       | 7.40  | 7.80  | NA   | NA    | NA   | NA    | NA   | NA    |
| 6   | June      | 12.80 | 13.00 | NA   | NA    | NA   | NA    | NA   | NA    |
| 7   | July      | 7.80  | 10.00 | NA   | NA    | NA   | NA    | NA   | NA    |
| 8   | August    | 8.70  | 10.40 | NA   | NA    | NA   | NA    | 6.5  | 6.7   |
| 9   | September | 8.50  | 8.90  | NA   | NA    | NA   | NA    | 3.2  | 4.5   |
| 10  | October   | 5.40  | 4.70  | NA   | NA    | NA   | NA    | 4.9  | 4.9   |
| 11  | November  | 5.00  | 5.00  | NA   | NA    | NA   | NA    | 5.4  | 5.0   |
| 12  | December  | 6.50  | 6.80  | NA   | NA    | NA   | NA    | 5.1  | 8.5   |

Source:-Department of Meteorology, Colombo-07

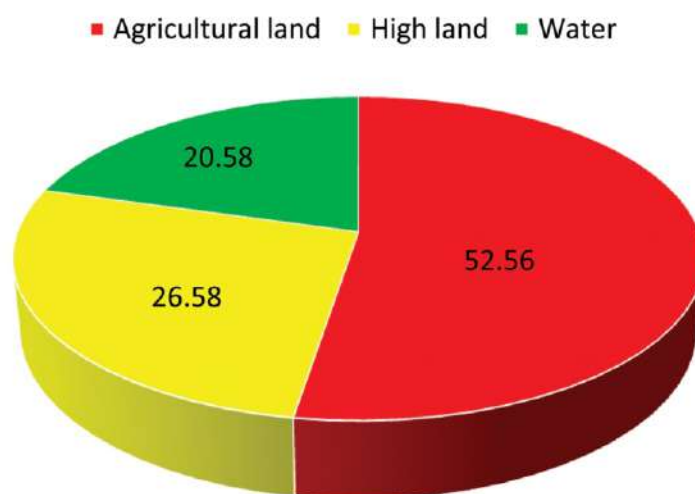
**Table: 2.6 Land Use Patterns**

| No    | Category              |                       |              | Area<br>(Hect.) | Total<br>(Het.) | Percentage<br>(%) |
|-------|-----------------------|-----------------------|--------------|-----------------|-----------------|-------------------|
| 1     | Urban<br>Land         | Built-up land         |              | -               | -               | 0.00%             |
|       |                       | Associated Land       |              | -               | -               | 0.00%             |
|       |                       | Non Agricultural Land |              | -               | -               | 0.00%             |
| 2     | Agricultur<br>al Land | Home Stead            |              | -               | 0               | 0.00%             |
|       |                       | Trees and Others      |              | 1191            | 1191            | 29.75%            |
|       |                       | Potential Crops       |              | -               | -               | 0.00%             |
|       |                       | Crop<br>Land          | Paddy        | 325             | 325             | 8.12%             |
|       |                       |                       | Sparsely     | -               | -               | 0.00%             |
|       |                       |                       | Crop Land    | 588             | 588             | 14.69%            |
|       |                       |                       | Sugar Cane   | -               | -               | 0.00%             |
| 3     | Forest<br>Land        | Natural<br>Forest     | Dense Forest | -               | -               | 0.00%             |
|       |                       |                       | Open Forest  | -               | -               | 0.00%             |
|       |                       | Forest Plantations    |              | -               | -               | 0.00%             |
| 4     | Range<br>Land         | Scrub Land            |              | -               | -               | 0.00%             |
|       |                       | Grass Land            |              | -               | -               | 0.00%             |
| 5     | Wet Land              | Forest - Mangroves    |              | -               | -               | 0.00%             |
|       |                       | Non Forested - Marsh  |              | -               | -               | 0.00%             |
| 6     | Water                 |                       |              | 824             | 824             | 20.58%            |
| 7     | Barren Land           |                       |              | -               | -               | 0.00%             |
| 8     | Others (High Land)    |                       |              | 1075            | 1075            | 26.85%            |
| Total |                       |                       |              | 4003            | 4003            | 100.00%           |

Source: Divisional Secretariat, Valikamam North, Tellippalai



## LAND USE PATTERNS



## LAND AREA BY GRAMA NILADARI DIVISIONS

