

Table:4.3.1

Monthly Rainfall in Kilinochchi District - 2000 - 2017

| | Station No:01 - Iranaimadhu In mm | | | Station No:02 - Akkarayan In mm | | | Station No:03 - Kariyalainagapaduvan In mm | | | D - No. of Days Rain | | |
|----------------|-----------------------------------|---------------------|------------------|---------------------------------|-------------|--------------|--|-------------------|----------------------|----------------------|---------------------|---------------------|
| MONTH/ YEAR | January (M.M.D) | February (M.M.D) | March (M.M.D) | April (M.M.D) | May (M.M.D) | June (M.M.D) | July (M.M.D) | August (M.M.D) | September (M.M.D) | October (M.M.D) | November (M.M.D) | December (M.M.D) |
| 2000 | | | | | | | | | | | | |
| Station No:01 | 162.82 (4) | 271.24 (8) | 42.66 (2) | 53.34 (3) | 39.63 (2) | - | 24.9(3) | 141.48(2) | 139.7 (7) | 116.59(7) | 210.3(11) | 118.35(3) |
| Station No:02 | 121.0 (12) | 147.4 (7) | 28.9 (2) | 13.0(3) | 9.9 (2) | - | 5.1(1) | 13.2 (8) | 93.5 (5) | 48.5(3) | 253.7(9) | 156.7(4) |
| Station No:03 | 108.60 (8) | 140.7 (4) | - | 101.5(3) | 10.1(1) | - | - | - | 85.7 (4) | 95.7(4) | 9.3(1) | 108.0(2) |
| 2001 | | | | | | | | | | | | |
| Station No:01 | 133.61 (7) | - | - | 121.14(8) | 18.8(1) | 45.97 (2) | - | 17.27(1) | 19.05(2) | 137.16(10) | 93.22(7) | 504.7(17) |
| Station No:02 | 248.3 (8) | 5.1 (1) | - | 333.8(15) | 35.56(1) | 61.7 (2) | 19.0 (1) | 29.0(1) | 31.2(2) | 211.4(9) | 203.1(9) | 785.5(15) |
| Station No:03 | 153.5 (5) | 26.0 (2) | - | 450.5(11) | 47.4 (3) | 127.1(3) | 13.71(1) | 24.0(1) | - | 110.7(5) | 200.4(8) | 781.8(16) |
| 2002 | | | | | | | | | | | | |
| Station No:01 | 6.24 (4) | 78.99 (2) | 17.1 (1) | 46.46(4) | 15.24(3) | 5.34(2) | - | - | - | 67.06(8) | 170.13(13) | 354.31(14) |
| Station No:02 | 131.4 (5) | 152.2 (3) | - | 158.9(10) | 4.26(2) | 14.5(2) | - | - | 16.3(1) | 115.8(7) | 308.81(13) | 354.31(14) |
| Station No:03 | 82.75 (5) | 208.2 (3) | 17.1 (1) | 450.8(13) | - | - | - | - | - | 68.92(9) | - | 598.0(17) |
| | | | | | | | | | | | | Cont |

Table:4.3.1

Monthly Rainfall in Kilinochchi District - 2000 - 2017

| Station No:01 - Iranaimadhu In mm | | Station No:02 - Akkarayan In mm | | | | | Station No:03 - Kariyalainagapaduvan In mm | | | | D - No. of Days Rain | |
|-----------------------------------|--------------------|---------------------------------|------------------|---------------|-------------|--------------|--|-------------------|----------------------|--------------------|----------------------|---------------------|
| MONTH/ YEAR | January (M.M.D) | February (M.M.D) | March (M.M.D) | April (M.M.D) | May (M.M.D) | June (M.M.D) | July (M.M.D) | August (M.M.D) | September (M.M.D) | October (M.M.D) | November (M.M.D) | December (M.M.D) |
| 2003 | | | | | | | | | | | | |
| Station No:01 | 97.78 (5) | 90.17 (2) | 16.26 (1) | 27.43(5) | 24.38 (!) | - | 98.03(3) | 56.89(6) | 6.35(1) | 42.67(6) | 634.42(22) | 33.51(4) |
| Station No:02 | 97.7 (5) | 106.7 (2) | 63.00 (2) | 40.6 (1) | 160.9 (3) | - | 68.6(3) | 76.4 (4) | - | 145.5(3) | 442.27(19) | 54.6(2) |
| Station No:03 | 222.0 (9) | - | - | - | - | - | - | - | - | 27.0(2) | 545.4(17) | 129.0(7) |
| 2004 | | | | | | | | | | | | |
| Station No:01 | - | 29.21 (1) | 21.84 (1) | 8.12(1) | 105.12 (5) | 10.92(1) | - | - | 33.6(3) | 212.05(13) | 406.34(20) | 291.79(16) |
| Station No:02 | - | - | 11.40 (1) | - | 212.6 (5) | 18.8(1) | - | 6.5(1) | 75.5(2) | 283.02(9) | 457.32(13) | 386.6(18) |
| Station No:03 | 15.6 (2) | 29.1(1) | 2.60 (2) | 57.6 (5) | 190.85 (9) | 14.7(1) | - | - | 108.5(5) | 325.7(13) | 565.6(21) | 291.7(13) |
| 2005 | | | | | | | | | | | | |
| Station No:01 | 17.6 (1) | - | - | 71.6(8) | 30.31 (1) | - | 46.6(2) | 6.7(1) | - | 235.4(2) | 580.9(16) | 54.2(5) |
| Station No:02 | 101.2 (3) | - | 22.5 (2) | 163.4(6) | 50.0 (2) | - | 11.5(1) | - | 10.0(1) | 124.0(6) | 521.9(9) | 46.9(3) |
| Station No:03 | 55.8 (5) | - | 30.5 (1) | 163.6(11) | 16.9 (2) | - | 2.8(1) | 1.5(1) | - | 41.8(6) | 197.3(11) | 86.3(9) |
| Cont | | | | | | | | | | | | |

Table:4.3.1

Monthly Rainfall in Kilinochchi District - 2000 - 2017

| Station No:01 - Iranaimadhu In mm | | Station No:02 - Akkarayan In mm | | | | | Station No:03 - Kariyalainagapaduvan In mm | | | | D - No. of Days Rain | |
|-----------------------------------|--------------------|---------------------------------|------------------|---------------|-------------|--------------|--|-------------------|----------------------|--------------------|----------------------|---------------------|
| MONTH/ YEAR | January (M.M.D) | February (M.M.D) | March (M.M.D) | April (M.M.D) | May (M.M.D) | June (M.M.D) | July (M.M.D) | August (M.M.D) | September (M.M.D) | October (M.M.D) | November (M.M.D) | December (M.M.D) |
| 2006 | | | | | | | | | | | | |
| Station No:01 | 93.1 (4) | 12.8 (1) | 34.2 (4) | 74.0 (4) | 7.8 (3) | 3.5(1) | - | - | 87.4(6) | 193.8(13) | 181.3 (14) | 44.3(3) |
| Station No:02 | 187.0 (7) | - | - | 19.9 (2) | 6.0 (1) | - | - | - | 31.7(3) | 238.2(13) | 221.1 (14) | 42.0(2) |
| Station No:03 | 217.7 (6) | 3.0 (1) | 96.3 (5) | 46.1 (3) | - | - | - | - | 30.7(1) | 168.9(10) | 277.3 (14) | 40.7(2) |
| 2007 | | | | | | | | | | | | |
| Station No:01 | 69.0 (1) | 29.0 (3) | - | 14.7 (2) | - | 41.5(3) | 69.8(3) | - | 30.0(4) | 141.5(7) | 94.8(6) | 235.4(11) |
| Station No:02 | 85.0 (1) | 35.0 (1) | - | 24.5 (4) | - | 8.3(1) | 32.0(1) | - | 41.5(3) | 136.0(10) | 94.0(8) | 144.8(10) |
| Station No:03 | 85.5 (1) | 28.5 (1) | - | 32.4 (3) | - | - | - | 30.8(1) | 12.8(2) | 147.8(9) | 135.1(10) | 233.1(9) |
| Cont | | | | | | | | | | | | |
| 2008 | Not available | | | | | | | | | | | |
| 2009 | Not available | | | | | | | | | | | |

Table:4.3.1

Monthly Rainfall in Kilinochchi District - 2000 - 2017

| Station No:01 - Iranaimadhu In mm | | Station No:02 - Akkarayan In mm | | | | | Station No:03 - Kariyalainagapaduvan In mm | | | | D - No. of Days Rain | |
|-----------------------------------|--------------------|---------------------------------|------------------|---------------|-------------|--------------|--|-------------------|----------------------|--------------------|----------------------|---------------------|
| MONTH/ YEAR | January (M.M.D) | February (M.M.D) | March (M.M.D) | April (M.M.D) | May (M.M.D) | June (M.M.D) | July (M.M.D) | August (M.M.D) | September (M.M.D) | October (M.M.D) | November (M.M.D) | December (M.M.D) |
| 2010 | | | | | | | | | | | | |
| Station No:01 | - | 1.5(1) | 67.8 (3) | 111.1 (7) | 157.0 (7) | 7.6 (1) | 50.7 (3) | 119.2 (4) | 63.1 (6) | 239.5 (6) | 354.9 (13) | 698.5 (19) |
| Station No:02 | - | 1.5(1) | 63.2 (3) | 100.4(4) | 100.4 (4) | 17.0 (1) | - | 70.0 (3) | 113.3 (4) | 145.5 (6) | 308.1 (15) | 555.4 (18) |
| Station No:03 | - | - | 28.5 (3) | 84.7 (3) | 150.3 (4) | 54.9 (2) | 4.9 (1) | 81.6 (3) | 142.0 (6) | 52.3 (3) | 339.7 (12) | 296.8 (10) |
| 2011 | | | | | | | | | | | | |
| Station No:01 | 221.7(13) | 132.8(09) | 190.1(08) | 174(04) | - | - | - | 19.6(01) | - | 236.5(16) | 453.6(16) | 894.10(14) |
| Station No:02 | 221.(10) | 114.8(06) | 26.6(04) | 139.4(10) | 20.5(01) | - | - | - | - | 135.11(09) | 559.5(15) | 369.5(14) |
| Station No:03 | 60.6(07) | 95.1(07) | - | 50.9(3) | - | - | - | - | - | 205.7(11) | 358.6(15) | 376(09) |
| 2012 | | | | | | | | | | | | |
| Station No:01 | 24(01) | - | 9.8(01) | 161(06) | - | - | 39.8(2) | 27.6(01) | 30.6(04) | 289(12) | 202(06) | 412.4(17) |
| Station No:02 | - | - | - | 154.7(6) | - | - | - | - | - | 319.8(08) | 279.2(7) | 457.8(16) |
| Station No:03 | 20.0(01) | - | - | 118.4(04) | - | - | - | - | 46(3) | 332.00 | 203(06) | 334.9(13) |
| | | | | | | | | | | | | Cont |

Table:4.3.1

Monthly Rainfall in Kilinochchi District - 2000 - 2017

| Station No:01 - Iranaimadhu In mm | | Station No:02 - Akkarayan In mm | | | | Station No:03 - Kariyalainagapaduvan In mm | | | | D - No. of Days Rain | | |
|-----------------------------------|--------------------|---------------------------------|------------------|---------------|-------------|--|-----------------|-------------------|----------------------|----------------------|---------------------|---------------------|
| MONTH/ YEAR | January (M.M.D) | February (M.M.D) | March (M.M.D) | April (M.M.D) | May (M.M.D) | June (M.M.D) | July (M.M.D) | August (M.M.D) | September (M.M.D) | October (M.M.D) | November (M.M.D) | December (M.M.D) |
| 2013 | | | | | | | | | | | | |
| Station No:01 | 104.80 | 288.60 | 73.70 | 160.50 | 25.00 | - | - | 43.00 | 48.80 | 58.50 | 193.50 | 227.7 |
| Station No:02 | 89.10 | 306.00 | 93.30 | 7.00 | 80.60 | - | - | 53.60 | 11.00 | 81.30 | 87.40 | 189.80 |
| Station No:03 | 139.00 | 299.00 | 146.00 | 77.00 | 45.00 | - | - | 30.00 | 155.00 | 52.00 | 98.20 | 269.00 |
| 2014 | | | | | | | | | | | | |
| Station No:01 | 155.1(7) | 109.7(4) | - | 13(2) | 73.6(5) | - | - | 133.8(7) | 88.2(4) | 366.4(17) | 393.7(17) | 516.2(20) |
| Station No:02 | 212.5(8) | 74.7(6) | - | 57.7(3) | 113.1(5) | - | - | 81.4(2) | 89.9(4) | 311.6(14) | 310.9(19) | 488.9(21) |
| Station No:03 | 171(6) | 36(4) | - | 31(2) | 91.1(7) | - | - | 98.7(2) | 65.9(3) | 359.9(10) | 362.3(14) | 456.0(16) |
| 2015 | | | | | | | | | | | | |
| Station No:01 | - | 81.0(4) | 96.2(5) | 58.7(5) | 160.7(8) | 6.2(2) | - | 43.8(4) | 115.5(4) | 224.3(11) | 887.6(19) | 419.4(15) |
| Station No:02 | - | 43.7(3) | 721.1(2) | 89.8(7) | 150.8(9) | 2.9(1) | 2.0(1) | 41.0(3) | 125.2(6) | 313.0(9) | 687.5(18) | 460.8(19) |
| Station No:03 | - | 89.6(2) | 64.1(3) | 135.6(6) | 121.2(6) | - | 15.2(1) | 86.8(3) | 82.1(1) | 122.9(7) | 600.7(18) | 381.6(18) |
| | | | | | | | | | | | | Cont |

Table:4.3.1

Monthly Rainfall in Kilinochchi District - 2000 - 2017

| | Station No:01 - Iranaimadhu In mm | | | Station No:02 - Akkarayan In mm | | | Station No:03 - Kariyalainagapaduvan In mm | | | D - No. of Days Rain | | |
|----------------|-----------------------------------|---------------------|------------------|---------------------------------|-------------|--------------|--|-------------------|----------------------|----------------------|---------------------|---------------------|
| MONTH/ YEAR | January (M.M.D) | February (M.M.D) | March (M.M.D) | April (M.M.D) | May (M.M.D) | June (M.M.D) | July (M.M.D) | August (M.M.D) | September (M.M.D) | October (M.M.D) | November (M.M.D) | December (M.M.D) |
| 2016 | | | | | | | | | | | | |
| Station No:01 | 38.9 (4) | 8.4 (1) | - | 39.8 (3) | 666.2 (6) | 2.8 (1) | 47.9 (2) | - | - | 7.8 (1) | 611.2 (15) | 137.1 (7) |
| Station No:02 | 43.4 (6) | - | - | 32.0 (2) | 578.1 (7) | - | 8.3 (2) | - | - | 30.3 (2) | 572.1 (15) | 145.5 (6) |
| Station No:03 | - | - | - | - | 350.5 (4) | - | - | - | - | 29 (2) | 411.3 (13) | 141.1 (6) |
| 2017 | | | | | | | | | | | | |
| Station No:01 | 76.10 | 22.30 | 209.90 | 21.00 | 51.00 | 6.00 | 2.00 | 50.00 | 166.50 | 107.50 | 487.00 | 136.50 |
| Station No:02 | 107.10 | 16.40 | 213.50 | 4.70 | 65.50 | 15.20 | - | 27.50 | 91.30 | 160.60 | 367.60 | 104.70 |
| Station No:03 | 114.90 | 17.80 | 63.90 | - | 28.40 | - | - | - | 89.90 | 136.30 | 393.30 | 81.10 |

Source: Deputy Director of Irrigation, Kilinochchi

Table:4.3.2

Name of Rivers and Particulars Related to Irrigation Facility - 2017

| S.No | Name | Catchment area in sq.km | Approximate length in km | Duration of flow in months | Extent benefited in Kilinochchi district hectares | Volume of water consumed annually |
|------|------------------|-------------------------|--------------------------|----------------------------|---|-----------------------------------|
| 1 | Pallavarayan aru | 161 | 31 | 3.5 | 609.31> | Not Available |
| 2 | Mandakal aru | 300 | 44 | 3.5 | 139.27> | Not Available |
| 3 | Akkarayan aru | 194 | 32 | 3.5 | 1383.4> | Not Available |
| 4 | Kalakaluppu aru | 57 | 21 | 3.5 | 495.57> | Not Available |
| 5 | Kanagarayan aru | 906 | 86 | 3.5 | 8900.8> | Above 5000 |
| 6 | Netheli aru | 120 | 31 | 3.5 | 1791.49> | Not Available |
| 7 | Piramanthal aru | 83 | 23 | 3.5 | 243.72>> | Above 3020 |

Source: Deputy Director of Irrigation,

Table:4.3.3

Details Major / Medium Tanks in Kilinochchi District - 2017

| S.No | Divisional Secretariat | Name of Tank | Capacity (Ac.Ft) | Irrigable Area | | Catchment Area | | Farmer Families |
|---------------|--------------------------|----------------------|------------------|----------------|---------|----------------|--------|-----------------|
| | | | | (ACS) | (Ha) | (Sq.MI) | Sq.Km) | |
| 1 | Karachchi | Vannerikulam | 1,713 | 360.00 | 145.68 | 5.0 | 12.94 | 120 |
| | | Puthumurippu | 2,957 | 985.00 | 398.79 | 10.5 | 27.17 | 405 |
| | | Kanagambikai kulam | 1,319 | 260.00 | 105.22 | 10.3 | 26.66 | 130 |
| | | Akkarayan kulam | 27,340 | 3417.00 | 1383.40 | 41.20 | 106.63 | 1819 |
| 2 | Karachchi/ Kandawalai | Iranaimadhu | 120,000 | 21985.00 | 8900.81 | 227.00 | 587.48 | 9118 |
| 3 | Kandawalai | Kalmadhu kulam | 12,280 | 3450.00 | 1396.16 | 26.50 | 68.58 | 1257 |
| | | Piramanthanaru kulam | 3,128 | 602.00 | 243.72 | 25.89 | 67.00 | 401 |
| 4 | Poonakary | Kariyalainagapaduvan | 11,791 | 1505.00 | 609.05 | 46.0 | 119.05 | 502 |
| | | Kudamuruddy | 2000 | 650.00 | 263.04 | 75.9 | 196.40 | 340 |
| Total: | | | 182,528 | 33,214 | 13,446 | 468 | 1,212 | 14,092 |

NOTE ; Major Tank : IF Irrigable area > 1500 ACS

Medium Tank: IF Irrigable area < 1500-200 ACS

Minor Tank : IF Irrigable area < 200 ACS

Source: Deputy Director of Irrigation,
Kilinochchi

Table :-4.3.4

Details of Water Level in Major Tanks in Kilinochchi District (2005 - 2017)

| S.No | Name of Major Tank | Full Supply Level of the Tank | | | | | | | | | | | | | |
|------|----------------------|-------------------------------|----------|----------|----------|---------------|---------------|----------|------------|----------|----------|-------------|------------|----------|----------|
| | | | 2005 Dec | 2006 Dec | 2007 Dec | 2008 | 2009 | 2010 Dec | 2011 Dec | 2012 Dec | 2013 Dec | 2014 Dec | 2015 Dec | 2016 Dec | 2017 Dec |
| 1 | Iranamadhu | 36' 0" | 28' 10" | 28' 5.5" | 25' 7" | | | 30'-0.5" | 29' - 05" | 31'-3.5" | 11'-00" | 30' - 06" | 27' -08" | 10'-03" | 21'-0" |
| 2 | Kalmaidhu | 24' 0" | 24' 0" | 21' 4.5" | 19' 6" | | | Breached | Breached | 24'-2.5" | 3'-0" | 24' - 03" | 24' - 03" | 13'-06" | 15'-0" |
| 3 | Akkarayan | 25' 0" | 22' 11" | 20' 8.5" | 13' 4" | | | 23'-4" | 24' - 05" | 24'-02" | 5'-0" | 24' - 03" | 25' - 01" | 18'-00" | 10'-9" |
| 4 | Puthumurippu | 19' 0" | 16' 5.5" | 12' 5.5" | 9' 0" | Not Available | Not Available | 16'-7" | 16' - 7.5" | 16'-6" | 5'-0" | 19' - 00" | 19' - 00 " | 18'-7.5" | 13'-4" |
| 5 | Kanagambigai Kulam | 10' 6" | 9' 11" | 9' 10.5" | 7' 0" | Not Available | Not Available | 10'-1" | 10' - 03" | 10'-0.5" | 3'-01" | 10' - 07" | 10" - 07" | 10'-5.5" | 10'-6" |
| 6 | Piramanthanaru | 12' 0" | 12' 00" | 12' 0" | 11' 10" | Not Available | Not Available | 12'-4" | 12' - 01" | 12'-03" | 4'-0.5" | 12' - 04" | 12' - 05" | 08'-10" | 12'-0" |
| 7 | Kariyalainagapaduvan | 10' 0" | 9' 11" | 9' 0.5" | 5' 8.5" | | | 10'-11" | 09' - 8.5" | 11'-04" | 2'-09" | 10' - 10.5" | 10 - 06" | 06'-00" | 2'-11" |
| 8 | Vannerikulam | 09' 6" | 9' 2.5" | 8' 7.5" | 9' 4" | | | 9'-8" | 09' - 10" | 09'-09" | 6'-02" | 09' - 09" | 9' - 07" | 08'-02" | 6'-4" |
| 9 | Kudamuruddy | 08' 9" | 7' 5.5" | 5' 10" | 1' 8.5" | | | - | - | - | - | 8' - 07" | - | 08'-02" | 7'-11" |

Source : Deputy Director of Irrigation , Kilinochchi

Table :-4.3.5

Salt Water Exclusion - 2017

| S.No | Salt Water Exclusion Scheme | Total Acreage Benefit (Acres) |
|------|---|-------------------------------|
| 1 | Raman Kalappu SWE Bund | 78 |
| 2 | Karukaithevu SWE Bund | 120 |
| 3 | Uppalavanklappu SWE Bund | 68 |
| 4 | Nallur SWE Bund | 75 |
| 5 | Ganimadam - Sithankurichchi SWE Bund | 1159 |
| 6 | Vedukadu SWE Bund | |
| 7 | Pavoodai SWE Bund | |
| 8 | Venerasodai SWE Bund | |
| 9 | Gowtharimunai SWE Bund | |
| 10 | Kudamuruddi Barrage | 1700 |
| 11 | Proposed Control Structure at Sembankunru | |
| 12 | Proposed Control Structure across the Mandakal Aru at A32 Road | |
| 13 | Malapu Kulam | 184 |
| 14 | Kokkudaijan Kulam | 52 |
| 15 | Ngamunai SWE | 750 |
| 16 | Anaikidanku SWE | |
| 17 | Pallavarayankaddu Manaikadu SWE | 2700 |
| 18 | Proposed Control Structure across the Pallavarayankaddu at A32 Road | |
| 19 | Paramankerai SWE Bund | 1400 |
| 20 | Abandoned Land Due to Salinity | |

Source: Deputy Director of Irrigation, Kilinochchi