

## **Seasonal Rainfall Forecast for South West Monsoon, 2013 for different districts of Tamil Nadu**

District level rainfall forecast for the ensuing South West Monsoon, 2013 over Tamil Nadu was developed at Agro Climate Research Centre, Tamil Nadu Agricultural University, Coimbatore based on the Southern Oscillation Index and Sea Surface Temperature values using Australian Rainman International 4.2. The historical rainfall data collected from Tamil Nadu Agricultural University Research Stations were used to represent the district information. In the absence of research station in a particular district, data from Rainman software were used. The results of the analysis for the South West Monsoon, 2013 indicated that the following category of rainfall for different districts with 60 per cent probability level.

**Above normal rainfall** (>110 % of the long term mean seasonal rainfall) is expected in Virudhunagar and Tuticorin districts.

**Normal rainfall** (91 to 110 % of the long term mean seasonal rainfall) is expected in Ariyalur, Cuddalore, Dindugul, Kancheepuram, Krishnagiri, Namakkal, Tiruvallur, Vellore, Tiruvannamalai, Tiruvarur, Trichy, Villupuram and Salem districts.

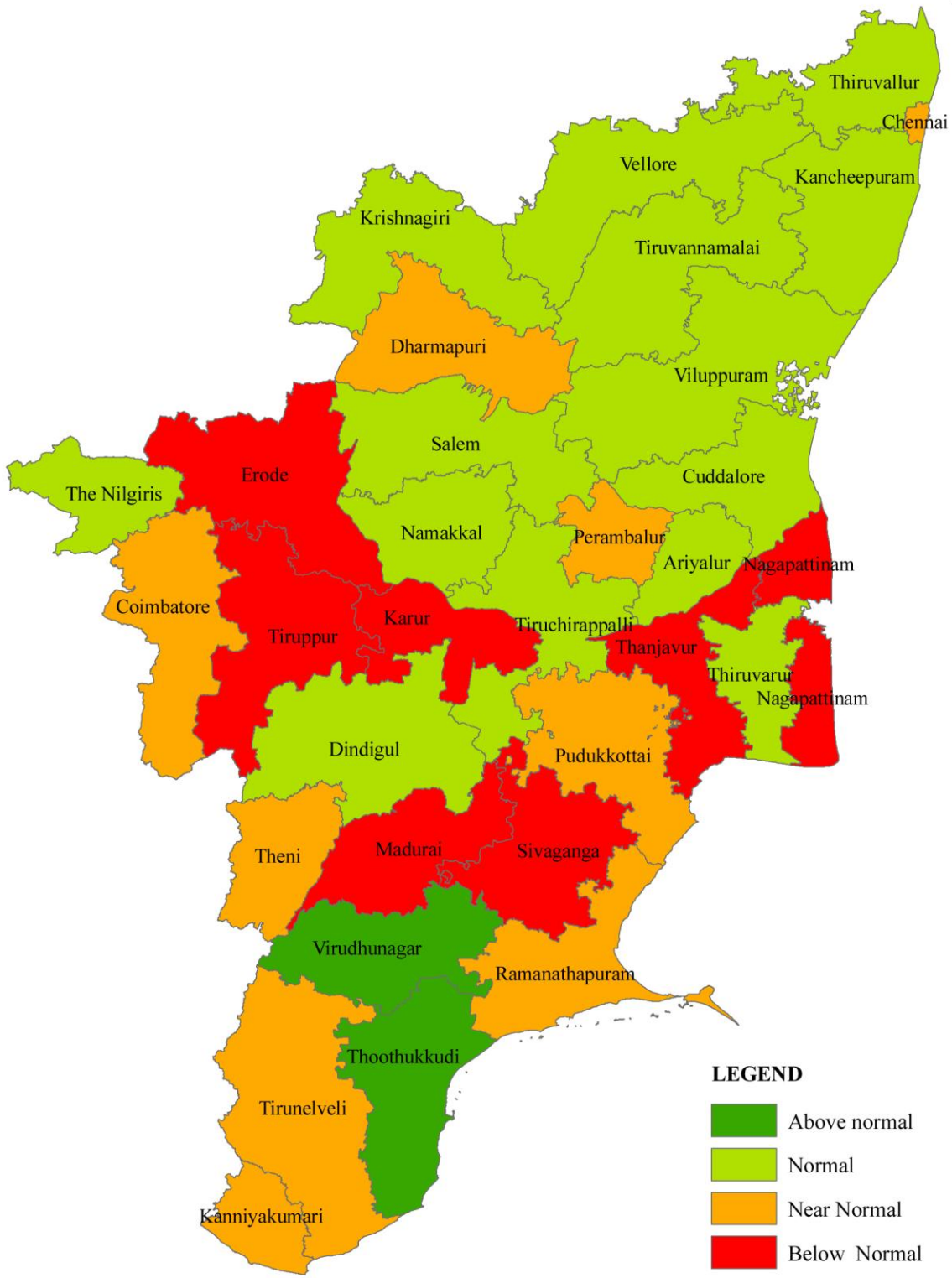
**Near normal rainfall** (81 to 90 % of the long term mean seasonal rainfall) is expected in Coimbatore, Kanyakumari, Chennai, Dharmapuri, Perambalur, Pudukkottai, Ramanathapuram, Theni and Tirunelveli districts

**Below normal rainfall** (<80% of the long term mean seasonal rainfall) is expected in Erode, Karur, Madurai, Nagapattinam, Tanjore, Sivagangai and Tiruppur districts.

In **hilly areas** viz., The Nilgiris and Dindigul districts normal rainfall is expected. In **high rainfall zone** of Kanyakumari district near normal rainfall is expected.

**Produced by**  
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# SOUTH WEST MONSOON FORECAST - 2013



### District Specific Rainfall forecast for South West Monsoon- 2013

S.No	District	Normal rainfall(mm)	Expected Rainfall at 60% probability	% deviation from normal(mm)	Status
1	Ariyalur	349.6	334.0	-4.5	Normal
2	Chennai	443.5	373.0	-15.9	Near normal
3	Coimbatore	192.9	159.0	-17.6	Near normal
4	Cuddalore	373.6	356.0	-4.7	Normal
5	Dharmapuri	361.0	322.2	-10.7	Near normal
6	Dindugal	251.4	230.0	-8.5	Normal
7	Erode	213.1	165.0	-22.6	Below normal
8	Kancheepuram	462.7	440.0	-4.9	Normal
9	Kanyakumari	327.8	275.0	-16.1	Near normal
10	Karur	249.7	176.0	-29.5	Below normal
11	Kodaikanal(Dindugal)	544.0	516.0	-5.1	Normal
12	Krishnagiri	403.6	371.0	-8.1	Normal
13	Madurai	305.4	225.4	-26.2	Below normal
14	Nagapatinam	274.1	215.0	-21.6	Below normal
15	Namakkal	317.0	326.0	2.8	Normal
16	Nilgiris	574.0	535.0	-6.8	Normal
17	Pechiparai(Kanyakumari)	454.0	377.0	-17	Near normal
18	Perambalur	349.6	303.0	-13.3	Near normal
19	Pudukkottai	350.7	309.2	-11.8	Near normal
20	Ramanathapuram	136.1	116.0	-14.8	Near normal
21	Salem	380.0	350.0	-7.9	Normal
22	Sivaganga	289.6	206.0	-28.9	Below normal
23	Tanjore	342.0	244.0	-28.7	Below normal
24	Theni	178.4	146.4	-17.9	Near normal
25	Tirunelveli	92.6	78.0	-15.8	Near normal
26	Tiruppur	192.9	151.0	-21.7	Below normal
27	Tiruvallur	449.5	434.2	-3.4	Normal
28	Tiruvanamalai	465.8	434.0	-6.8	Normal
29	Tiruvarur	301.8	272.0	-9.9	Normal
30	Trichy	270.3	276.4	2.3	Normal
31	Tuticorin	86.8	124.0	42.9	Above normal

32	Vellore	442.0	407.0	-7.9	Normal
33	Villupuram	433.0	401.0	-7.4	Normal
34	Virudhunagar	181.8	215.6	18.6	Above normal