

RESERVOIR STORAGE

45%

85% a year ago · 19 Oct

RAIN SINCE 1 JUNE

-40%

State gauges · to 17 Oct

DROUGHT MANUAL

30 severe

314 moderate, of 615 mandals assessed

STATE WELLS

11.4 m

3.2 m deeper than a year ago · 1,746 wells · 9 Sep

MOST CROPS SHORT OF WATER

155 mandals

4 or more of 7 crops at mid-season · forecast from 19 Oct

EL NIÑO, OCT-DEC

100%

El Niño Advisory · NOAA, 8 Oct

Where field teams would learn most

Mandals where four or more of six signals point to water stress at once. Filled: the signal is lit.

MANDAL	WELLS	RAIN	SOIL	CROPS GREEN	DRAW	WHAT STANDS OUT
Tanakal Sri Sathya Sai	●	●	●	●	●	7 of 7 crops short of water · vegetation index 37 · over-exploited (117% drawn)
Yeddana Pudi Bapatla	●	●	●	●	○	7 of 7 crops short of water · vegetation index 0
Giddalur Markapuram	○	●	●	●	●	7 of 7 crops short of water · vegetation index 7 · semi-critical (85% drawn)
Sirvel Nandyal	●	●	●	●	○	7 of 7 crops short of water · vegetation index 16
Podili Markapuram	●	●	●	●	○	7 of 7 crops short of water · vegetation index 18
Ipur Palnadu	●	●	●	●	○	7 of 7 crops short of water · vegetation index 18
Durgi Palnadu	●	●	●	●	○	7 of 7 crops short of water · vegetation index 19
Vemula Y.S.R Kadapa	○	●	●	●	●	7 of 7 crops short of water · vegetation index 20 · semi-critical (71% drawn)
Piduguralla Palnadu	●	●	●	●	○	7 of 7 crops short of water · vegetation index 27
Edlapadu Palnadu	●	●	●	●	○	7 of 7 crops short of water · vegetation index 29

Wells below their seasonal normal · gauge rain 20% or more short · soil among the driest quarter of years · 4 or more of 7 crops short of water · crop vegetation severely below normal · groundwater drawn semi-critical or worse.

What moved this week

Gauge rain against normal, water year to date	-39.6%
Mandals with soil drier than their usual for the date	573
Mandals at their driest on record for the date	86
Reservoir storage, share of capacity	44.5%
Mandals meeting the drought manual's Trigger 1	479
Mandals reading moderate	314

The season ahead

- By May 2027, the water table in **126 mandals** is projected past its deepest May on record on a typical winter, 76 of them more than 10 m down, home to about 67 lakh people; 217 more in a dry one.
- The **Pennar** reservoirs hold **37%**, against 86% a year ago.
- In **337 of 405** mostly rainfed mandals the topsoil is drier than in its median year; 54 are the driest on record.
- A Bengal gram crop sown now would run short within a week in **207** of 405 rainfed mandals.
- Past El Niño years brought Oct-Dec rain -8% on average: a tilt, not a forecast.

How far to trust the crop check

Re-run on 30 past kharif weeks over rainfed fields. 4 km satellite index: 0 crop-stages backed, 5 weak; field scale (Sentinel-2): 0 backed, 8 weak. Read it as where crops need water now, not as a forecast. Live scorecard: 0 of 5 frozen weeks scored.

Reservoirs by basin

Krishna		45%	86% last year
Pennar		37%	86% last year
Other basins		53%	74% last year
Godavari		80%	71% last year

Where the rainfed seedbed is driest

Ananthapuramu		28 of 28	28% of rain Oct-Dec
Vizianagaram		22 of 22	26% of rain Oct-Dec
Y.S.R Kadapa		22 of 22	32% of rain Oct-Dec
Markapuram		21 of 21	34% of rain Oct-Dec
Kurnool		21 of 21	20% of rain Oct-Dec