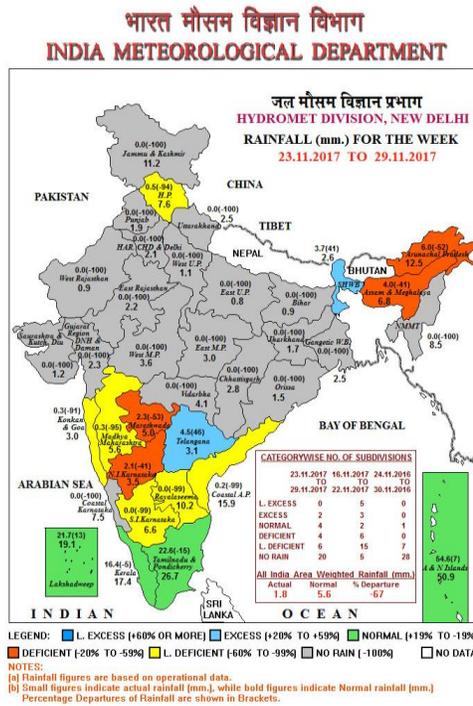


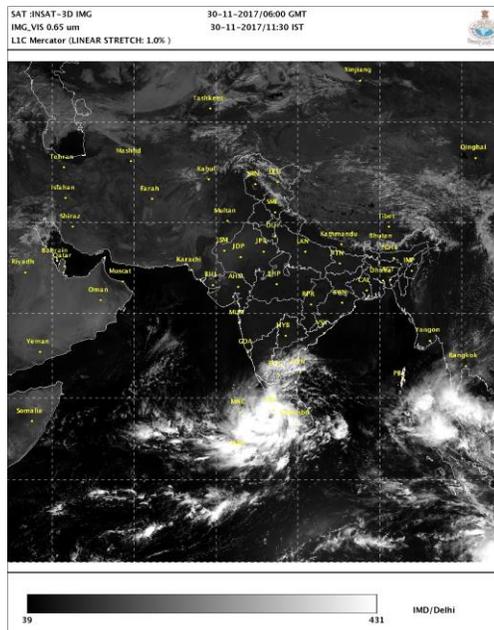
Inputs for Krishi Darshan, New Delhi dated 30.11.2017

Rainfall map for the week ending 29.11.2017



- ◆ **Large Excess Rain:** Nil
- ◆ **Excess Rain:** Telangana and Sub-Himalayan West Bengal
- ◆ **Normal Rain:** Lakshadweep Islands, Kerala, Tamil Nadu and Andaman & Nicobar Islands
- ◆ **Rainfall was Deficient / Low Deficient / Dry:** Rest of the region.

Satellite image 0600 UTC Dated 30.11.2017



Weather Forecast for next 5 days valid upto 0830 hours of 5th December, 2017

- Meteorological sub-division wise detailed 5 day rainfall forecast is given below.
 - No significant change in minimum temperatures is very likely over most parts of the country during next 2 days.
 - **Shallow to moderate fog** at isolated places in the morning hours likely over northern parts of Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Bihar and Sub-Himalayan West Bengal and Arunachal Pradesh during next 2 days.

5 Day Rainfall Forecast (Mid day)

30th November 2017

Met-Sub-Division	30-Nov Today	01Dec Fri	02Dec Sat	03Dec Sun	04Dec Mon
1. Andaman & Nicobar Islands	FWS	WS	WS	FWS	FWS
2. Arunachal Pradesh	DRY	DRY	DRY	DRY	DRY
3. Assam & Meghalaya	DRY	DRY	DRY	DRY	DRY
4. N. M. M. & T.	DRY	DRY	DRY	DRY	DRY
5. S.H. West Bengal & Sikkim	ISOL	DRY	DRY	DRY	DRY
6. Gangetic West Bengal	DRY	DRY	DRY	DRY	DRY
7. Odisha	DRY	DRY	DRY	DRY	DRY
8. Jharkhand	DRY	DRY	DRY	DRY	DRY
9. Bihar	DRY	DRY	DRY	DRY	DRY
10. East Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	DRY	DRY	DRY	DRY	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	DRY	DRY	DRY	DRY	DRY
16. Jammu & Kashmir	DRY	DRY	ISOL	ISOL	ISOL
17. West Rajsthan	DRY	DRY	DRY	DRY	DRY
18. East Rajasthan	DRY	DRY	DRY	DRY	DRY
19. West Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
21. Gujarat Region	DRY	DRY	DRY	DRY	ISOL
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	ISOL
23. Konkan & Goa	DRY	DRY	DRY	DRY	DRY
24. Madhya Maharashtra	DRY	DRY	DRY	DRY	DRY
25. Marathawada	DRY	DRY	DRY	DRY	DRY
26. Vidharbha	DRY	DRY	DRY	DRY	DRY
27. Chhattisgarh	DRY	DRY	DRY	DRY	DRY
28. Coastal Andhra Pradesh	ISOL	DRY	DRY	DRY	ISOL
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	ISOL	DRY	DRY	DRY	ISOL
31. Tamilnadu & Puducherry	WS	WS	SCT	SCT	SCT
32. Coastal Karnataka	ISOL	ISOL	ISOL	DRY	DRY
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	ISOL	ISOL	ISOL	DRY	DRY
35. Kerala	FWS	FWS	SCT	SCT	ISOL
36. Lakshadweep	WS	WS	FWS	SCT	ISOL

% Station Reporting Rainfall

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

Weather Warning during next 5 days

- **30 November (Day 1): Heavy to very heavy rain** very likely at a few places with extremely heavy falls at isolated places over Lakshadweep; **heavy to very heavy rain** very likely at isolated places over south Tamilnadu and south Kerala. **Heavy rain** very likely at isolated places over Nicobar Islands. Gale wind speed reaching 65-75 kmph gusting to 85 kmph very likely along & off south Kerala during next 48 hours and along & off south Tamilnadu. Squally winds speed reaching 55-65 kmph gusting to 75 kmph very likely along & around Lakshadweep Islands during next 12 hours and increase thereafter with speeds becoming 80-90 kmph gusting to 100 kmph from tonight. Fishermen are advised not to venture into Sea along and off south Tamilnadu & south Kerala coasts and Lakshadweep Islands. Sea conditions very

likely to be high along & off south Kerala and south Tamilnadu coasts and around Lakshadweep Islands. Thunderstorms accompanied with squall and lightning very likely at isolated places over Tamilnadu and Kerala. **Dense to very dense fog** at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura .

- **1 December (Day 2): Heavy to very heavy rain** very likely at a few places with **extremely heavy falls** at isolated places over Lakshadweep; **heavy to very heavy rain** very likely at isolated places over Andaman & Nicobar Islands and heavy rain at isolated places over interior Tamilnadu and Kerala. **Gale wind** speed reaching 80-90 kmph gusting to 100 kmph very likely over & around Lakshadweep Islands. **Squally winds** speed reaching 55-65 kmph gusting to 75 kmph very likely along and off Kerala coast and speed reaching 30-40 kmph gusting to 50 kmph very likely around Andaman & Nicobar Islands and adjoining Seas. Sea conditions very likely to be very rough to high along and off south Kerala and high around Lakshadweep Islands. Fishermen are advised not to venture into Sea along and off Kerala coast and around Lakshadweep Islands and are advised to be cautious while venturing into Sea around Andaman & Nicobar Islands. **Dense to very dense fog** at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **2 December (Day 3): Heavy rain** very likely at isolated places over Tamilnadu & Puducherry, Lakshadweep and Andaman & Nicobar Islands. **Squally winds** speed reaching 35-45 kmph gusting to 55 kmph very likely around Andaman & Nicobar Islands and adjoining seas. **Fishermen** are advised to be cautious while venturing into Sea around Andaman & Nicobar Islands.
- **3 December (Day 4):** No weather warning.
- **4 December (Day 5): Heavy rain** likely at isolated places over Tamilnadu & Puducherry.

Weather Outlook for subsequent 2 days from 5th to 7th December, 2017

- The present low pressure area over Malay Peninsula and adjoining Andaman Sea, after the forecast intensification is likely to be over west central Bay of Bengal off north Tamilnadu-south Andhra Pradesh coasts around 5th December.
- Rain at many places likely over Andaman & Nicobar Islands and at isolated to few places over Lakshadweep, south peninsula and adjoining central & eastern India.
- Weather is likely to be dry over the remaining parts of the country.

Executive Summary

- The Deep Depression over Comorin area and neighbourhood moved westnorthwestwards with a speed of 38 kmph during past 06 hours and intensified into a **Cyclonic Storm (Ockhi)** and lay centered at 0830 hrs IST of today, the 30th November, 2017 over Comorin area & neighbourhood near latitude 7.5°N and Longitude 77.5°E, about 340 km westnorthwest of Galle (Sri Lanka), 60 Km south of Kanyakumari (Tamilnadu), 120 km southwest of Thiruvananthapuram and 480 km eastsoutheast of Minicoy. The system is very likely to move westnorthwestwards towards Lakshadweep Islands and intensify further into a **Severe Cyclonic Storm** during next 24 hours.
- In association with the System, rain/thundershowers would occur at most places over Tamil Nadu on 30th November and 1st December and at many places over Kerala on 30th November and 1st December, along with heavy to very heavy/heavy rain at isolated places very likely over South Tamilnadu and Kerala on 30th November, over interior Tamil Nadu and Kerala on 1st, over **Tamil Nadu** and **Puducherry** on 2nd and 4th December, avoid intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water stagnation.
- As thunderstorms accompanied with squall and lightning very likely at isolated places over **Tamilnadu** and **Kerala** on

30th November, Gale wind speed reaching 65-75 kmph gusting to 85 kmph very likely along & off south Kerala during next 48 hours and along & off south Tamilnadu and Squally winds speed reaching 55-65 kmph gusting to 75 kmph very likely along and off Kerala coast on 1st December, provide support to young fruit plants, banana, propping up in sugarcane and staking in vegetables to protect them from lodging.

- As gale wind speed reaching 65-75 kmph gusting to 85 kmph very likely along & off **south Kerala** during next 48 hours and along & off **south Tamilnadu**. Squally winds speed reaching 55-65 kmph gusting to 75 kmph very likely along & around Lakshadweep Islands during next 12 hours and increase thereafter with speeds becoming 80-90 kmph gusting to 100 kmph from tonight, squally winds speed reaching 30-40 kmph gusting to 50 kmph very likely around Andaman & Nicobar Islands and adjoining Seas on 1st and 35-45 kmph gusting to 55 kmph on 2nd December and sea conditions very likely to be high along & off south Kerala and south Tamilnadu coasts and around Lakshadweep Islands on 30th November. Sea conditions very likely to be very rough to high along and off south Kerala and high around Lakshadweep Islands on 1st December; fishermen are advised not to venture into Sea along and off south Tamilnadu & south Kerala coasts, Lakshadweep Islands and into sea around Andaman & Nicobar Islands.
- In **Tamil Nadu**, in the Cauvery Delta Zone, provide adequate drainage facilities to drain the excess rainwater from the paddy fields to improve better aeration in the root zone. In the High Rainfall Zone, provide proper drainage to pineapple and banana fields.
- As dense to very dense fog at isolated places in the morning hours very likely over **Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura** and shallow to moderate fog over Arunachal Pradesh on 30th November and 1st December, monitor the standing crops for incidence and spread of pest diseases, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake plant protection measures.
- Under the prevailing weather conditions, sowing of following *rabi* crops are advised in different States/Agroclimatic Zones as given below:
 - Wheat:** Continue sowing in Bhal and Coastal Zone of Gujarat, in Irrigated North Western Plain Zone, in Southern Plain Zone and in Sub Humid Southern Plain and Aravali Hill Zone of Rajasthan, in Jammu & Kashmir and in Madhya Pradesh under sufficient soil moisture condition.
 - Bengal gram:** Continue sowing of gram in Jharkhand, Madhya Pradesh, Chhattisgarh, Rayalseema, Telangana, Rajasthan (Western Plain Zone) and Punjab.
 - Mustard/rapeseed:** Continue sowing in Assam, Manipur, Mizoram, Tripura and Odisha.
- As dry/mainly dry weather would prevail, continue harvesting of matured rice in Uttar Pradesh, Bihar, Odisha, Jharkhand, in North Telangana Zone and Sali rice in Assam. Continue picking of cotton in Gujarat, Maharashtra, Punjab and Haryana.

- Weather forecast issued by NWFC, New Delhi and Agromet Advisories prepared based on the DAAS Bulletins issued by different Agrometeorological Field Units are included in this bulletin.