



Special Daily Weather Report

01 October, 2018

Monsoon Watch

- The southwest monsoon has further withdrawn from remaining parts of Rajasthan, entire Jammu & Kashmir, Punjab, Haryana, Chandigarh & Delhi, Himachal Pradesh, Uttarakhand, West Uttar Pradesh, some parts of East Uttar Pradesh, west & east Madhya Pradesh and some more parts of Gujarat state & north Arabian Sea.
- The withdrawal line of southwest monsoon now passes through Bahraich, Nowgong, Bhopal, Indore, Bharuch, Veraval, lat. 21.0°N/long. 65.0°E and lat. 21.0°N/ long. 60.0°E.
- Conditions are favourable for further withdrawal of southwest monsoon from remaining parts of East Uttar Pradesh, Madhya Pradesh, Gujarat and north Arabian Sea, some parts of Bihar, Jharkhand, Chhattisgarh and Maharashtra during next 2-3 days.
- **A low pressure area is likely to develop over southeast Arabian sea around 6th October. It is likely to intensify into a depression and move north-westwards during subsequent 48 hours. Fishermen are advised not to venture into southeast & central Arabian Sea from 07th October, 2018 onwards. Fishermen at deep sea areas of southeast & central Arabian Sea are advised to return to coast before 07th October.**

- Spatial rainfall distribution and monsoon activity is enclosed. (Table-1)
- Latest Satellite Image of INSAT 3-D is enclosed. (Fig-2)

Seasonal Rainfall (in mm) on 30 September, 2018

<u>Region</u>	<u>Actual</u>	<u>Normal</u>	<u>% Dep. from Long Period Average</u>
All India	804.0	887.5	-9%
East & Northeast India	1087.5	1438.3	-24%
Northwest India	603.2	615.0	-2%
Central India	911.3	975.5	-7%
South Peninsula	704.4	716.1	-2%

Weather Forecast (valid upto 1430 hours IST of 06 October, 2018)

- Meteorological Sub-divisionwise 5-day rainfall forecast is enclosed. (Table-2)
- Sub-division wise rainfall recorded from 0830 IST of yesterday to 0830 IST of today is enclosed. (Annexure-1)

Warning (Fig-3)

01 October (Day 1): ♦ Heavy rain very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Tamilnadu & Puducherry and Kerala.

♦ Thunderstorm accompanied with lightning very likely at isolated places over Assam & Meghalaya, Konkan & Goa, Madhya Maharashtra, Tamilnadu, Kerala, Coastal & Interior Karnataka, Telangana, Rayalaseema and Coastal Andhra Pradesh.

♦ Rough sea conditions due to high energy swell waves are likely to be experienced over the coastal waters of Andaman & Nicobar Island and West Bengal during next 24 hours. For details and updates kindly visit <http://www.incois.gov.in/porla/osf/hwa.jsp>.

02 October (Day 2): ♦ Heavy rain very likely at isolated places over Tamilnadu & Puducherry and Kerala.

♦ Thunderstorm accompanied with lightning very likely at isolated places over Assam & Meghalaya, Konkan & Goa, Madhya Maharashtra and Tamilnadu, Kerala, Coastal & Interior Karnataka, Telangana, Rayalaseema and Coastal Andhra Pradesh.

03 October (Day 3): ♦ Heavy to very heavy rain very likely at isolated places over Tamilnadu & Puducherry and heavy rain at isolated places over Kerala.

♦ Thunderstorm accompanied with lightning very likely at isolated places over Konkan & Goa, Madhya Maharashtra, Tamilnadu, Kerala, Coastal & Interior Karnataka, Telangana, Rayalaseema and Coastal Andhra Pradesh.

04 October (Day 4): ♦ Heavy rain likely at isolated places over Tamilnadu & Puducherry and Kerala.

♦ Thunderstorm accompanied with lightning likely at isolated places over Konkan & Goa and Madhya Maharashtra.

05 October (Day 5): ♦ Heavy to very heavy rain very likely at isolated places over Tamilnadu & Puducherry and Kerala and heavy rain at isolated places over Lakshadweep.

Weather Outlook for subsequent 2 days (from 1430 IST of 06 October to 1430 IST of 08 October, 2018)

- Further withdrawal of southwest monsoon likely from some more parts of west & central India and some parts of east India.
- Fairly widespread to widespread rainfall with isolated intense fall likely over south peninsula, Andaman & Nicobar Islands and Lakshadweep.
- Isolated to scattered precipitation likely over Jammu & Kashmir, northeastern States and also over western parts of central India.
- Dry weather likely over the rest of the country.

Legend:

Probability of occurrence	Terminology	Probability of occurrence	Terminology
Less than 25%	unlikely	51-75%	Very likely
25-50%	likely	Above 75%	Most likely

Note: This is the last Special Daily Weather Report for the Southwest Monsoon 2018.

Fig-1

Withdrawal of Southwest Monsoon 01 October 2018

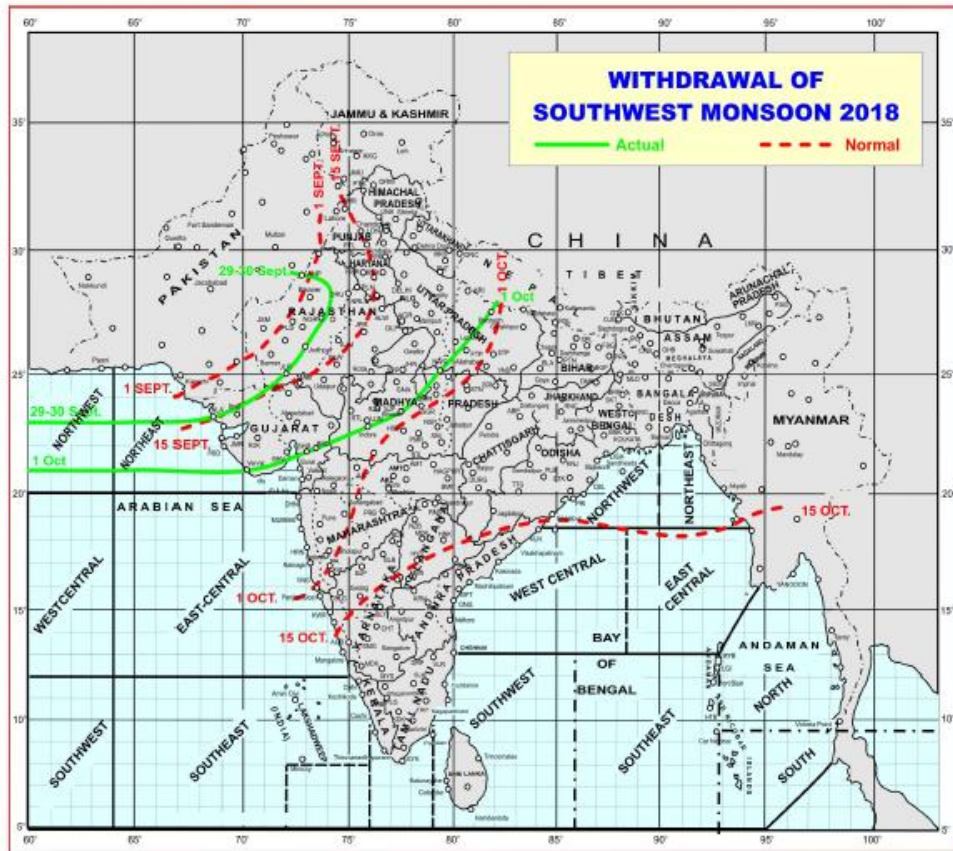


Table-1

SPATIAL DISTRIBUTION OF RAINFALL & MONSOON ACTIVITY 01 OCTOBER 2018

S.NO.	MET. SUB-DIVISIONS	DISTRIBUTION	ACTIVITY
1	Andaman & Nicobar Islands	SCT	WEAK
2	Arunachal Pradesh	FWS	WEAK
3	Assam & Meghalaya	SCT	WEAK
4	NMMT	ISOL	WEAK
5	SHWB & Sikkim	WS	ACTIVE
6	Gangetic West Bengal	DRY	WEAK
7	Odisha	ISOL	WEAK
8	Jharkhand	DRY	WEAK
9	Bihar	DRY	WEAK
10	East Uttar Pradesh	DRY	WEAK
11	West Uttar Pradesh	DRY	WEAK
12	Uttarakhand	ISOL	WEAK
13	Haryana Chandigarh & Delhi	DRY	WEAK
14	Punjab	DRY	WEAK
15	Himachal Pradesh	ISOL	WEAK
16	Jammu & Kashmir	ISOL	WEAK
17	West Rajasthan	ISOL	WEAK
18	East Rajasthan	DRY	WEAK
19	West Madhya Pradesh	DRY	WEAK
20	East Madhya Pradesh	DRY	WEAK
21	Gujarat reg. DD & Nagar Haveli	DRY	WEAK
22	Saurashtra Kutch & Diu	DRY	WEAK
23	Konkan & Goa	ISOL	WEAK
24	Madhya Maharashtra	ISOL	WEAK
25	Marathawada	DRY	WEAK
26	Vidarbha	DRY	WEAK
27	Chhattisgarh	DRY	WEAK
28	Coastal Andhra Pradesh	ISOL	WEAK
29	Telangana	ISOL	WEAK
30	Rayalaseema	ISOL	WEAK
31	Tamilnadu & Puducherry	SCT	NORMAL
32	Coastal Karnataka	FWS	NORMAL
33	North interior Karnataka	ISOL	WEAK
34	South interior Karnataka	SCT	WEAK
35	Kerala	FWS	NORMAL
36	Lakshadweep	SCT	

LEGENDS		SCT	SCATTERED / FEW PLACES (26% to 50%)	
WS	WIDE SPREAD / MOST PLACES (76-100%)	ISOL	ISOLATED / ONE OR TWO PLACES (up to 25%)	
FWS	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)	DRY	NO RAINFALL	

* ACTIVE (R/F $1\frac{1}{2}$ - 4 times the normal with WS/FWS, at least 2 stations should be 5 cm. along west coast & 3 cm. elsewhere)

** VIGOROUS (R/F More than 4 times the normal with WS/FWS, at least 2 stations should be 8 cm. along west coast & 5 cm. elsewhere)

Fig-2

Latest Satellite Image of INSAT 3-D 01 October 2018

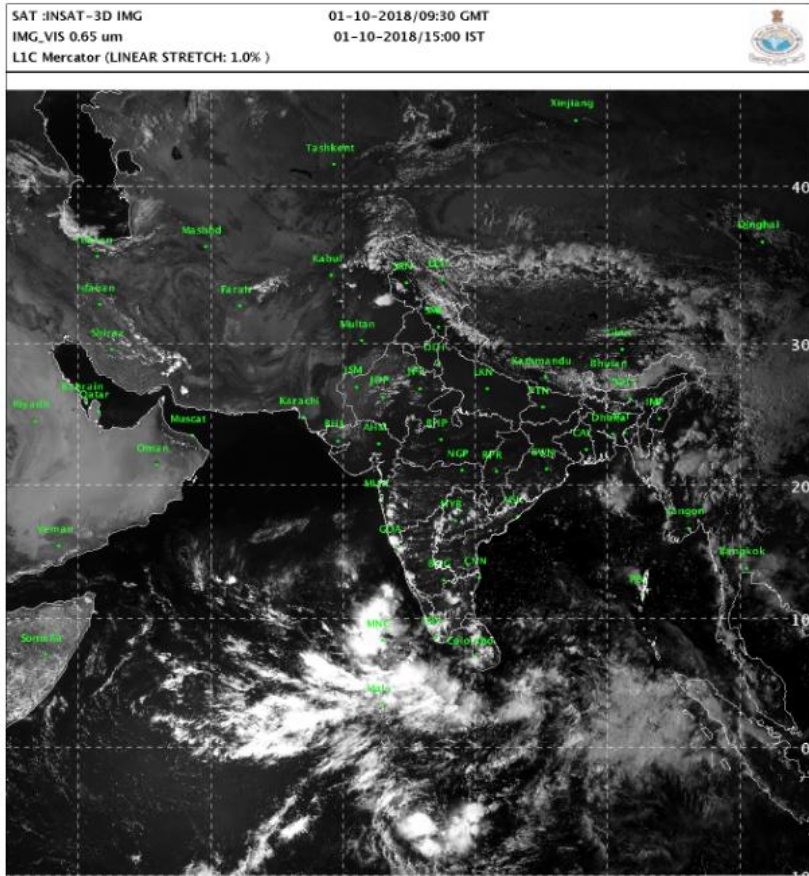


Table-2

5-Day Rainfall Forecast 2018

Met-Sub-Division	01-Oct Today	02Oct Tue	03Oct Wed	04Oct Thu	05Oct Fri
1. Andaman & Nicobar Islands	SCT	SCT	SCT	SCT	SCT
2. Arunachal Pradesh	FWS	SCT	SCT	ISOL	ISOL
3. Assam & Meghalaya	SCT	ISOL	ISOL	DRY	DRY
4. N. M. M. & T.	ISOL	ISOL	ISOL	DRY	DRY
5. S.H. West Bengal & Sikkim	FWS	SCT	SCT	ISOL	ISOL
6. Gangetic West Bengal	ISOL	ISOL	DRY	DRY	DRY
7. Odisha	ISOL	ISOL	ISOL	ISOL	DRY
8. Jharkhand	DRY	DRY	DRY	DRY	DRY
9. Bihar	ISOL	DRY	DRY	DRY	DRY
10. East Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	ISOL	DRY	ISOL	ISOL	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	ISOL	DRY
15. Himachal Pradesh	ISOL	DRY	ISOL	ISOL	DRY
16. Jammu & Kashmir	ISOL	ISOL	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	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	ISOL	ISOL	SCT	SCT	ISOL
24. Madhya Maharashtra	ISOL	ISOL	SCT	SCT	ISOL
25. Marathawada	ISOL	ISOL	ISOL	ISOL	DRY
26. Vidharbha	DRY	DRY	ISOL	ISOL	DRY
27. Chhattisgarh	ISOL	ISOL	ISOL	ISOL	DRY
28. Coastal Andhra Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	SCT	SCT	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	SCT	SCT	FWS	FWS	WS
32. Coastal Karnataka	SCT	FWS	FWS	FWS	SCT
33. North Interior Karnataka	SCT	SCT	ISOL	ISOL	ISOL
34. South Interior Karnataka	SCT	SCT	SCT	SCT	SCT
35. Kerala	FWS	FWS	FWS	FWS	WS
36. Lakshadweep	FWS	SCT	SCT	FWS	WS

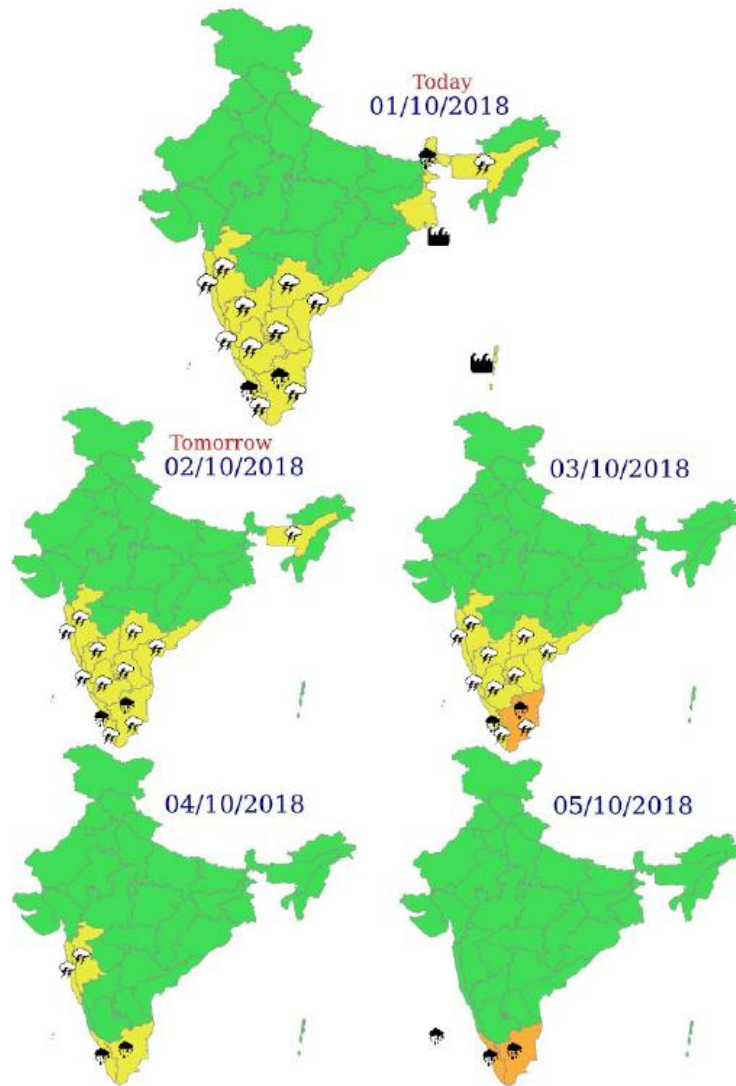
% Station Reporting Rainfall

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

* Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day
 For more details kindly visit www.imd.gov.in or contact : +91 11 24631913, +91 11 24629798

Fig-3

Warning



Most Vigil (Take Action)	Keep Vigil (Be prepared/updated)
Be aware (Be updated)	No Warning

- | | | | |
|--|--|--|--|
|  Heavy Rain |  Heavy Snow |  Thunderstorm |  Dust Storm |
|  Strong Winds |  Visibility |  Cyclone |  Squall/ Hail |
|  Frost |  Cold Wave |  Heat Wave |  Sea State |

Annexure-1

Significant amounts of rainfall (in cm) (From 0830 hours IST of yesterday to 0830 hours IST of today) 01 October 2018

A & N ISLAND:		CHIPLUN	1	NANGUNERI	3
		QUEPEM	1	USILAMPATTI	3
LONG ISLAND	1	MHASLA	1	AP PEELAMEDU	3
				RAJAPALAYAM	3
ARUNACHAL PRADESH:		MADHYA MAHARASHTRA:		SANKARIDURG	3
ITANAGAR	2	KHED RAJGURUNAGAR	3	GUDALUR	3
BHALUKPONG	2			POLLACHI	3
TUTING	2	COASTAL ANDHRA		BODINAYAKANUR ARG	2
ROING	1	PRADESH:		SRIVILLIPUTHUR	2
NAHARLAGUN	1			COIMBATORE SOUTH	2
		CHINTALAPUDI	7	TUTICORIN	2
ASSAM & MEGHALAYA:		SANTHAMAGULURU	5	THOOTHUKUDI PORT AWS	2
N.LAKHIMPUR/LILABARI	3	ATCHAMPET	3	SIVAGIRI	2
RANGIA	2	VELAIRPAD	2	VEDASANDUR	2
MELABAZAR/MATUNGA	1	TIRUVURU	2	COIMBATORE AWS	2
HAZUAH	1	KOMARADA	2	KADAVUR	2
BEKI MATHUNGARI	1	PARVATHIPURAM	2	RASIPURAM	1
BIHPURIA_ AWS	1	CUMBUM	2	TIRUPPUR	1
PUTHIMARI	1	NANDIGAMA	1	PARAMATHIVELUR	1
DHEMAJI_ AWS	1	BESTAVARIPETA	1	VIRINJIPURAM AWS	1
				VILATHIKULAM	1
SHWB & SIKKIM:		TELANGANA:		CHENNAI AP	1
NEORA		BONAKAL	4	KETTI	1
		DORNAKAL	3	PERAIYUR	1
8		MADHIRA	2	PALAYAMKOTTAI	1
MURTI	1	BOMRASPETA	2	DINDIGUL	1
		TEKULAPALLE	2	THATHIENGRPET	1
6		BAYYARAM	1	TIRUCHENDUR	1
NAGARKATA	1	HUZUR NAGAR	1	SURANGUDI	1
		SATHUPALLE	1	VANDAVASI	1
4		ZAFFERGADH	1	K BRIDGE	1
BUXADUAR	8	DEVARAKONDA	1	PERIYANAICKENPALAYAM	1
SANKALAN	7			PALANI	1
SINGLA BAZAR	6	RAYALASEEMA!		VALPARAI TALUK OFFICE	1
BAGRAKOTE	5	NANDIKOTKUR	1	VADIPATTI	1
MANGAN	5			UDUMALPET	1
CHENGMARI/DIANA	5	TAMIL NADU &		DEVAKOTTAI	1
HASIMARA	5	PUDUCHERRY:		BHAVANISAGAR	1
KUMARGRAM	3			DHARAPURAM	1
DENTAM	2	PERIYAKULAM	7	YERCAUD	1
		COONOOR	5	NEEDAMANGALAM	1
ODISHA:		AVINASI	4	MULANUR	1
NUAGADA ARG	1	BODINAICKANUR	4	KARAIKUDI	1
KOTAGARH	1	COONOOR PTO	4	ERODE	1
		PENUCONDAPURAM	4	COASTAL KARNATAKA:	
KONKAN & GOA:		METTUPALAYAM	4	SUBRAMANYA	6
VAIBHAVWADI	2	ANNUR	4	MANI	3
VENGURLA - IMD PT	2	PULLAMBADI	3	PUTTUR HMS	3
SAWANTWADI	2	KOTHAGIRI	3	DHARMASTHALA	2
		WATRAP	3	SIDDAPURA	2
		SULUR	3	KARKALA	1

N. I. KARNATAKA:

HIREKERUR	2
MASKI	1
KALGHATGI	1

S. I. KARNATAKA:

SANDUR	3
KUDATHINI	2
CHAMARAJANAGAR	1
SRIRANGAPATNA	1
RAMANAGARA	1
KOLAR PWD	1

KERALA:

MYLADUMPARA_AGRI	9
THODUPUZZHA	6
KOCHI C.I.A.L.	5
PERINTHALAMANNA	4
ARYANKAVU	4
CHALAKUDI	3
MANJERI	3
VELLANIKKARA	3
OTTAPALAM	3
MANNARKKAD	3
VYTTIRI	2
PEERMADE TO	2

VADAKKANCHERRY	2
ALWAYE PWD	2
AMBALAVAYAL	2
KUNNAMKULAM	2
PERUMPAVUR	1
PARUMBIKULAM	1
KURUDAMANNIL	1
THIRUVANANTHAPURAM	1
HARIPAD	1
IDUKKI	1
CHENGANNUR	1
KODUNGALLUR	1

LEGEND:

(A) / AWS--Automated Weather Station
AP--Airport
ARG--Automated Rain-Gauge
CDR--Cyclone Detection Radar
CWC--Central Water Commission

FMO--Flood Met Office
IAF--Indian Air Force
IMD--India Meteorological Department.
PBO--Pilot Balloon Obsy
PT / PTO--Part Time Observatory

PWD--Public Welfare Department
SR--State Raingauge