

Fwd: HEAVY RAINFALL WARNING

1 message

SEOC | DMD | Kerala <seoc.gok@gmail.com> To: CE LSGD <celsgd@gmail.com>, lsgdddepartment@gmail.com Wed, Oct 3, 2018 at 2:33 PM

------ Forwarded message ------From: **SEOC | DMD | Kerala** <seoc.gok@gmail.com> Date: Wed, Oct 3, 2018 at 1:36 PM Subject: Fwd: HEAVY RAINFALL WARNING To: <info@keralatourism.org>, <deptour@keralatourism.org>

Heavy rainfall (7-11 cm in 24 hours) to very heavy rainfall (12 - 20 cm in 24 hours) is most likely to occur at one or two places in Kerala on 3rd, 4th, 5th & 6th October 2018 and heavy rainfall with extremely heavy rainfall (20 cm and above in 24 hrs) is most likely to occur at one or two places in Kerala on 7th October 2018.

Heavy rain rainfall is most likely to occur at one or two places in Lakshadweep on 5th, 6th & 7th October 2018.

For

DIRECTOR METEOROLOGICAL CENTRE, THIRUVANANTHAPURAM-695 033 Ph: 0471-2330025 / 2322330 / 2322894 Fax: 0471-2322894 Alternate E-Mail: mc.trv@imd.gov.in WEBSITE : http://www.imdtvm.gov.in/

കേരള സംസ്ഥാന അടിയന്തിരഘട്ട കാര്യനിർവഹണ കേന്ദ്രം (കെ.എസ്.സി.ഓ.സി) | Kerala State Emergency Operations Centre (KSEOC)

കേരള സംസ്ഥാന ദുരന്ത നിവാരണ അതോറിറ്റി (കെ.എസ്.ഡി.എം.എ) | Kerala State Disaster Management Authority (KSDMA)

ഒബ്സർവേറ്ററി കുന്ന്, വികാസ് ഭവൻ തപാൽ ഓഫീസ് | Observatory Hills, Vikas Bhavan P.O തിരുവനന്തപുരം, കേരളം - 695033 | Thiruvananthapuram, Kerala - 695033

പകൽ സമയ ടെലിഫോൺ | Day time phone - 0471 2331345, 0471-2331645, Toll Free 1079

രാത്രി സമയ ടെലിഫോൺ | Night time phone - 0471 2364424

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REGIONAL SPECIALISED METEOROLOGICAL CENTRE-TROPICAL CYCLONES, NEW DELHI TROPICAL WEATHER OUTLOOK

DEMS-RSMC TROPICAL CYCLONES NEW DELHI DATED 03.10.2018 TROPICAL WEATHER OUTLOOK FOR NORTH INDIAN OCEAN (THE BAY OF BENGAL AND ARABIAN SEA) VALID FOR NEXT 120 HOURS ISSUED AT 0600 UTC OF 03.10.2018 BASED ON 0300 UTC OF 03.10.2018.

BAY OF BENGAL:

A LOW PRESSURE AREA IS LIKELY TO DEVELOP OVER SOUTHWEST BAY OF BENGAL AROUND 8TH OCTOBER 2018.

SCATTERED LOW AND MEDIUM CLOUDS WITH EMBEDDED MODERATE TO INTENSE CONVECTION LAY OVER SOUTH BAY OF BENGAL.

PROBABILITY OF CYCLOGENESIS DURING NEXT 120 HRS:

24 HOURS	24-48 HOURS	48-72 HOURS	72-96 HOURS	96-120 HOURS
NIL	NIL	NIL	NIL	NIL

ARABIAN SEA:

A LOW PRESSURE AREA (LPA) IS LIKELY TO DEVELOP OVER SOUTHEAST ARABIAN SEA ON 5TH OCTOBER 2018. IT IS VERY LIKELY TO CONCENTRATE INTO A DEPRESSION AND MOVE NORTHWESTWARDS DURING SUBSEQUENT 48 HOURS. IT IS ALSO VERY LIKELY TO INTENSIFY INTO CYCLONIC STORM SUBSEQUENTLY WHILE MOVING NORTHWESTWARDS.

SCATTERED LOW AND MEDIUM CLOUDS WITH EMBEDDED INTENSE TO VERY INTENSE CONVECTION LAY OVER SOUTH ARABIAN SEA, COMORIN & GULF OF MANNAR.

PROBABILITY OF CYCLOGENESIS DURING NEXT 120 HRS:

24 HOURS	24-48 HOURS	48-72 HOURS	72-96 HOURS	96-120 HOURS
NIL	NIL	LOW	MODERATE	HIGH

REMARKS:

THE MADDEN JULIAN OSCILLATION (MJO) INDEX IS CURRENTLY IN PHASE 1 WITH AMPLITUDE MORE THAN 1. IT WILL CONTINUE IN SAME PHASE WITH AMPLITUDE GREATER THAN 1 AND WILL MOVE TO PHASE 2 FROM 11 OCTOBER ONWARDS. HENCE, MJO PHASE WILL BE FAVOURABLE FOR ENHANCEMENT OF CONVECTION & CYCLOGENESIS OVER SOUTH & ADJOINING CENTRAL ARABIAN SEA DURING 6-12TH OCTOBER. MAJORITY OF NUMERICAL MODELS INCLUDING ECMWF, NCMRWF UNIFIED MODELS (NCUM), NCUM ENSEMBLE PREDICTION SYSTEM (NEPS), IMD GFS SUGGEST FORMATION OF LPA OVER SOUTHEAST ARABIAN SEA ON 5TH OCTOBER. THESE MODELS ALSO SUGGEST GRADUAL INTENSIFICATION INTO CYCLONIC STORM & NORTHWESTWARD MOVEMENT INITIALLY DURING SUBSEQUENT FIVE DAYS. GENESIS POTENTIAL PARAMETER INDEX DEVELOPED BY IMD INDICATES POTENTIAL ZONE FOR CYCLOGENESIS OVER SOUTHEAST & EASTCENTRAL ARABIAN SEA DURING 6-8TH OCTOBER.

MOST OF THE MODELS ARE ALSO SUGGESTING FORMATION OF ANOTHER LPA OVER SOUTHWEST BAY OF BENGAL AND NEIGHBOURHOOD AROUND 8TH OCTOBER.





Government of India Ministry of Earth Sciences India Meteorological Department Meteorological Centre Thiruvananthapuram–695 033

District Rainfall Forecast For Kerala and Lakshadweep

03 October 2018

District		03-Oct Today	04-Oct Thu	05-0 Fri		06-Oct Sat	t	07-Oct Sun		
	Spatial Distribution:	Most Places	Most Places	s Most Pl	laces	Most Plac	ces	Most Places		
Thiruvananthap uram	Intensity:	Heavy rainfall at isolated places	Heavy rainfall at isolated places	Heavy very he rainfal isolat place	eavy II at ed	Heavy to very hea rainfall a isolateo places	vy at d	Heavy rainfall at isolated places		
	Probability:	Most Likely	Most Likely	Most L	ikely	Most Like	ely	Most Likely		
	Spatial Distribution:			Most Pl	laces	Most Plac	ces	Most Places		
Kollam	Intensity:	Light to moderate rainfall	Light to moderate rainfall	rainfal isolat	rainfall at		o Vy at d	Heavy rainfall at isolated places		
	Probability:	Most Likely	Most Likely Most Likely		Most Likely Most		ely	Most Likely		
	Spatial Distribution:	Most Places		Most Pl	Most Places		ces	Most Places		
Pathanamthitta	Intensity:	Heavy rainfall at isolated places	Light to moderate rainfall	very he rainfal isolat	Heavy to very heavy rainfall at isolated places		o Vy at d	Heavy' to very heavy rainfall at isolated places		
	Probability:	Most Likely	Most Likely	Most L	Most Likely		ely	Most Likely		
	Spatial Distribution:					Most Plac	ces	Most Places		
Alappuzha	Intensity:	Light to moderate rainfall	Light to moderate rainfall	Light to moderate rainfall		Heavy to very heavy rainfall at isolated places		Heavy rainfall at isolated places		
	Probability:	Most Likely	Most Likely	Most L	ikely	Most Like	ely	Most Likely		
Distribution of Rainfall		Intensity of F		Probability	robability of Occurence (%)		Wa	Warning Colour		
	% of stations	Type / Very Light	Amount (mm) 0.1 to 2.4	Unlikely			W	arning (Take A		
Most Places Many Places	76 - 100%	Light	2.5 - 15.5		-					
A Few Places	51-75% 26-50%	Moderate	15.6 - 64.4	LIKEly	Likely 25 - 50		25 - 50			Alert (Be Prepa
Isolated places	1-25%	Heavy Very Heavy		Very Likely	5	0 - 75	1	Watch (Be Upda		
Dry	0	Extremely Heavy	115.6 - 204.4 ≥ 204.5	Most Likely > 75		No Warning (No A				



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District Rainfall Forecast For Kerala and Lakshadweep

03 October 2018

District		03-Oct Today	04-Oct Thu	05-Oct Fri	06-Oc Sat	t 07-0 Su		
	Spatial Distribution:			Most Place	s	Most P	aces	
Kottayam	Intensity:	Light to moderate rainfall	Light to moderate rainfall	Heavy rainfall at isolated places	Light to moderat rainfal	isolat	l at ed	
	Probability:	Most Likely	Most Likely	Most Likel	y Most Lik	ely Most Likely		
	Spatial Distribution:			Most Place	s	Most P	aces	
Ernakulam	Intensity:	Light to moderate rainfall	Light to moderate rainfall	Heavy rainfall at isolated places	Light to moderat rainfal	isolat	l at ed	
	Probability:	Most Likely	Most Likely	Most Likel	y Most Lik	ely Most L	ikely	
Spatial Distributior		Most Places	Most Places	Most Place	es Most Plac	ces Most Pl	aces	
ldukki	Intensity:	Heavy rainfall at isolated places	Heavy to very heavy rainfall at isolated places	Heavy toHeavy' tovery heavyvery heavyrainfall atrainfall atisolatedisolatedplacesplaces		vy at heavy ra		
	Probability:	Most Likely	Most Likely	Most Likel	y Most Lik	ely Most L	ikely	
	Spatial Distribution:			Most Place	s Many Pla	ces Most Pl	aces	
Thrissur	Intensity:	Light to moderate rainfall	Light to moderate rainfall	Heavy rainfall at isolated places	Heavy' t very hea rainfall a isolated places	vy at heavy ra	and the second second	
	Probability:	Most Likely	Most Likely	Most Likel	y Most Lik	ely Most L	ikely	
Distribution of Rainfall		Intensity of I Type	Rainfall Amount (mm)	Probability of O	ccurence (%)	e (%) Warning Colour		
Category Most Places	Category 70 of stations		0.1 to 2.4	Unlikely < 25		Warning (Take A		
Many Places	51-75%	Light	2.5 - 15.5	Likely	-		Alert (Be Prepa	
A Few Places	26-50%	Moderate Heavy	15.6 - 64.4 64.5 - 115.5	/ery Likely				
Isolated places	1-25%		115.6 - 204.4				Watch (Be Upda	
Dry	0	Extremely Heavy	≥ 204.5	Nost Likely	> 75	No Warning (No A		



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District Rainfall Forecast For Kerala and Lakshadweep

03 October 2018

District		03-Oct	04-Oct		05-C	oct	06-Oc	t	07-Oct	1	
District		Today	Thu		Fr	i	Sat		Sun		
	Spatial Distribution:				Most P	laces	Most Plac	ces	Most Places		
Palakkad	Intensity:	Light to moderate rainfall	Light to moderate rainfall	9	Heav rainfa isolat plac	ll at ed	Heavy' t very hea rainfall a isolated places	vy at d	Extremely heavy rainfall		
	Probability:	Most Likely	Most Like	ly	Most L	ikely	Most Lik	ely	Most Likely		
	Spatial Distribution:								Many Places		
Malappuram	Intensity:	Light to moderate rainfall	Light to moderate rainfall		Light to moderate rainfall		Light to moderate rainfall		Heavy rainfall at isolated places		
	Probability:	Most Likely	Most Like	ly	Most L	ikely	Most Lik	ely	Most Likely		
Spatial Distribution:		Most Places	Most Place	es	Most Places Mo		Most Places		Many Places		
Kozhikode	Intensity:	Heavy rainfall at isolated places	Heavy rainfall at isolated places	t	Heav rainfa isolat plac	ll at ed	Heavy rainfall at isolated places		Heavy to very heavy rainfall at isolated places		
	Probability:	Most Likely	Most Like	ly	Most L	ikely	Most Lik	ely	Most Likely		
	Spatial Distribution:	Most Places	Most Place	es	Most P	laces	Most Plac	ces	Many Places		
Wayanad	Intensity:	Heavy rainfall at isolated places	Heavy rainfall at isolated places	t	Heav rainfa isolat plac	ll at ed	Heavy rainfall a isolated places	at X	Heavy rainfall at isolated places		
Probability:		Most Likely	Most Like	ly	Most L	ikely	Most Lik	ely	Most Likely		
Distribution of Rainfall		Intensity of	Rainfall	Pr	robability of Occurence (%)		Wa	Warning Colour C			
Category			Amount (mm)	-					-		
Most Places	76 - 100%	Very Light Light	0.1 to 2.4	L	Unlikely < 25		< 25	Warning (Take A		_	
Many Places	51-75%	Moderate	2.5 - 15.5 15.6 - 64.4		Likely 25 - 50		Alert (Be Prepar		re		
A Few Places	26-50%	Heavy	64.5 - 115.5	Ve	ery Likely	5	0 - 75	1	Watch (Be Update		
Isolated places	1-25%		115.6 - 204.4								
Dry	0	Extremely Heavy	≥ 204.5	IVIO	ost Likely		> 75	No Warning (No Ac			



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03 October 2018

		03-Oct	04-Oct	05-Oct	t 06-Oc	t 07-Oct	
District		Today	Thu	Fri	Sat	Sun	
Spatial Distribution						Many Places	
Kannur	Intensity:	Light to moderate rainfall	Light to moderate rainfall	Light to moderat rainfall	e modera	te rainfall at	
	Probability:	Most Likely	Most Likely	Most Like	ely Most Lik	ely Most Likely	
	Spatial Distribution:					Most Places	
Kasaragode	Intensity:	Light to moderate rainfall	moderate moderate		Light to e modera rainfal	te rainfall at	
	Probability:	Most Likely	Most Likely Most Likely		ely Most Lik	ely Most Likely	
	Spatial Distribution:			Most Plac	ces Most Pla	ces Most Places	
Lakshadweep	Intensity:	Light to moderate rainfall	Light to moderate rainfall	Heavy rainfall a isolated places	l isolated	at rainfall at d isolated	
	Probability:		Most Likely	Most Like	ely Most Lik	ely Most Likely	
Distribution of		Intensity of R	P	robability of	Occurence (%)	Warning Colour (
Category % of stations		Type A Very Light	Amount (mm)	Unlikely	< 25	Warning (Take Ad	
Most Places Many Places	76 - 100% 51-75%	Light	2.5 - 15.5	Chinkely (25		Alert (Be Prepar	
A Few Places	26-50%	Moderate	15.6 - 64.4	Elicity 25 50			
Isolated places	1-25%		64.5 - 115.5 V 115.6 - 204.4	ery Likely	50 - 75	Watch (Be Upda	
Dry	0	Extremely Heavy		Most Likely > 75 No		No Warning (No Act	