

Sri Lanka

Disaster Situation Update



Report as at 1200hrs on 2018.10.14



Disaster Management
Centre



DEPARTMENT OF METEOROLOGY
SRI LANKA



Department of
Irrigation



National Building
Research Organisation



National Disaster
Relief Services Centre

Ministry of Irrigation and Water Resources & Disaster Management

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SITUATION SUMMARY

- ◆ A heavy rainfall together with high winds was occurred across several parts of Sri Lanka between 01 to 14 October 2018, caused flash floods mainly in twelve districts, including Southern, Western, North-Western and Sabaragamuwa Provinces.
- ◆ Early-warnings reached to the affected people and evacuations were done covering the people who are at risk . Search & rescue teams were mobilized and boats were kept as ready to deploy to the affected districts. 670 military and police officials were mobilized immediately for search and rescue operations.
- ◆ 75,689 people (18,840 families) have been affected (the Disaster Situation Report , DMC & National Disaster Relief Services Centre (NDRSC) at 1000 hours on 12th October 2018) and 12 deaths were reported in 5 Districts. NDRSC has provided 38.51 million cash allocations to the 13 District Secretaries to address the immediate needs of the affected populations.
- ◆ Heavily affected districts are Kalutara, Galle, Colombo and Gampaha counting 2002 people and over ,435 families are displaced (12th Oct 2018 1000hrs).
- ◆ River water levels at many stations are gradually decreasing, as the rainfall recorded in the catchments during the last 24 hours ending 0830 hours is lower compared to the rainfall received in 5 and 6 October 2018.

No of affected Districts		16
No of affected Divisional Secretariats		111
Total no of families affected		18,840
No of members affected		75,689
Total no of death reported	Drowning –10 (Ratnapura -1,Colombo-1 Galle- 2,Kalutara-6) Tree Fall - 2 (Kegalle -1, Ratnapura-1)	12
Total no of missing persons reported		0
Total no of injured reported		18
Total no of Fully damaged houses		50
Total no of partially damaged houses		2,653
No of safety centers reported		11
No of families in safety centers		435
No of Persons in Safety centers		2002

CURRENT SITUATION

As per the Department of Meteorology, few places in Galle Kalutara, Colombo & Gampaha districts have received high rainfall. As of 7th October at 8.30hrs received highest rainfalls are Galle 334.1mm, Padukka 186mm, Colombo Fort 109.3mm, Kirindiwela 89.2mm.

As of today, approximately, 435 families have been evacuated into 11 welfare centers in 5 Districts due to flood and landslide risks. As of now 12 deaths were reported to the Disaster Management Centre.

Department of Meteorology reported last 24 hours rainfall observed in main stations ended on morning 0830hours of 14 October 2018 showing reduction of rainfall in many areas; in Batuwangala 69.0mm, Kanthalale 57.0mm . The highest rainfall recorded was around 82.2mm in Kalavedi Ulpotha, Anuradhapura District However, based on received rainfall since 14th October 2018, rainfall has been reduced in catchment areas and affected areas and flood waters are receding, allowing response and relief services to be more effective.

Landslide watch is still effective Kalutara and Galle Districts.

Response Actions

The EOC of the DMC has coordinated with Military agencies and Police to mobilize troops for response actions. 48 officers and 2,260 soldiers with response equipment are standby for required deployments.

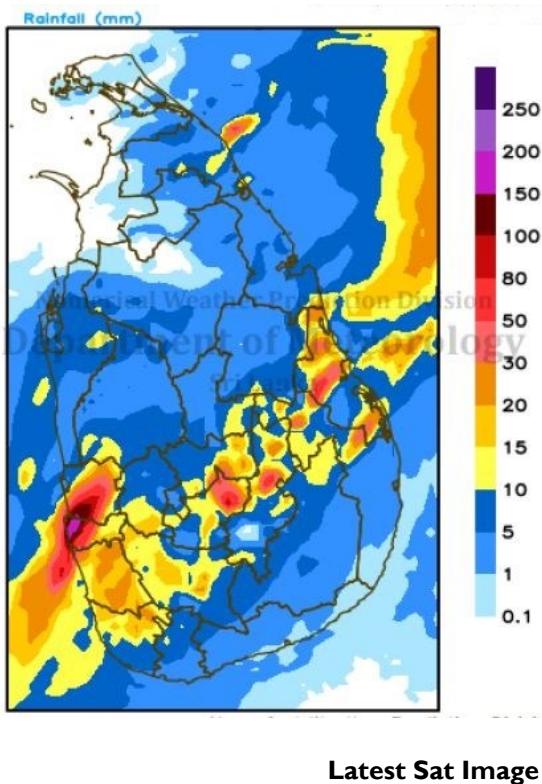
Cooked meals have been given by divisional administration with the support of DMC & NDRSC and military personnel for all displaced people in 4 Districts.

Over 1,000 people have been evacuated to safe areas by military troops in Galle and Kalutara Districts. Debris due to flood water has been cleared by response personnel in Biyagama, Palindanuwara, Ingiriya, Wakwella, Agaliya, Walallawita divisional areas.

Rain water blockage was cleared in Nagalagam street area due to establishment of salt water de-intrusion dyke by the SLRDCC. The Ministry has immediately requested to take action to mitigate this issue to reduce impact of heavy rains.



FIGURE 01: Rainfall received 09 October 2018 ending at 8.30am on 14 Oct 2018



Source: Indian Meteorology

As a result of Tropical Cyclone "Titly" the heavy rains were occurred in South western, Sabaragamu areas over 5-7 October 2018. Since the system moving away from Sri Lankan east coast the effect is slowly fading out as of today. However sudden increase of rain and winds are still potential and considerable rainfall received to Uva areas.

The effects of Tropical cyclone "Luban" in the Arabian sea has been moved from western coast of the country and no more major influence to the weather in Sri Lanka. The inter-monsoon has been establishes over the country now and today onward evening showers are expected.

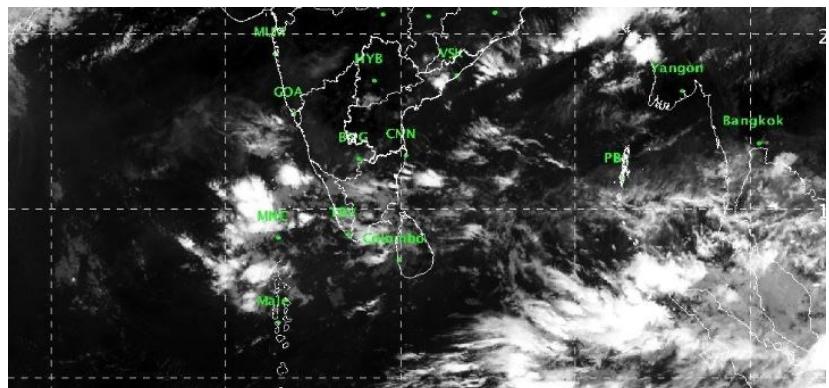
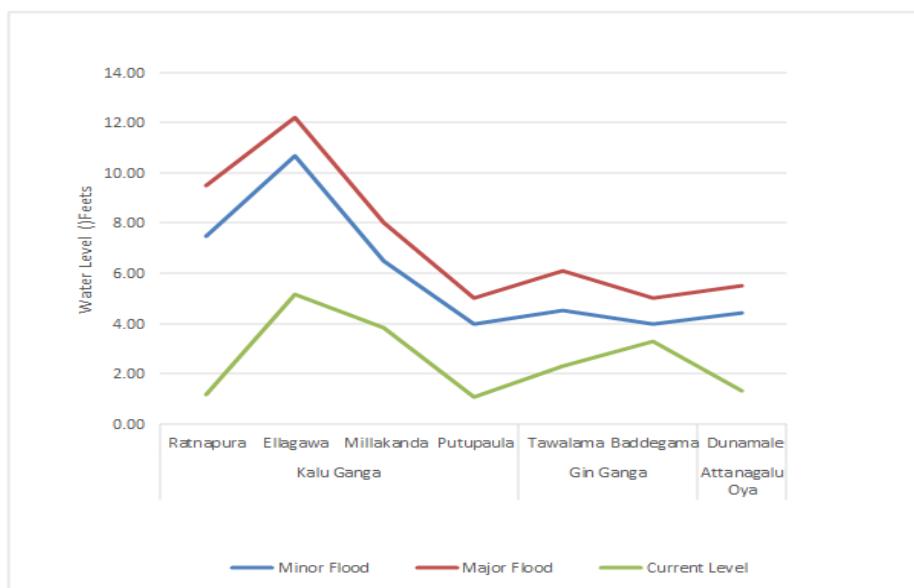


FIGURE 02: River water level, 0930 hours 14 October 2018



Reservoir Levels

Spill gates opened as 01 gate of Laxapana by 09 inch since 6th October 2018 up to now.

River gauges in all Major rivers are showing normal levels in rained areas.

Source: Department of Irrigation

FLOOD & HIGH WIND IMPACT

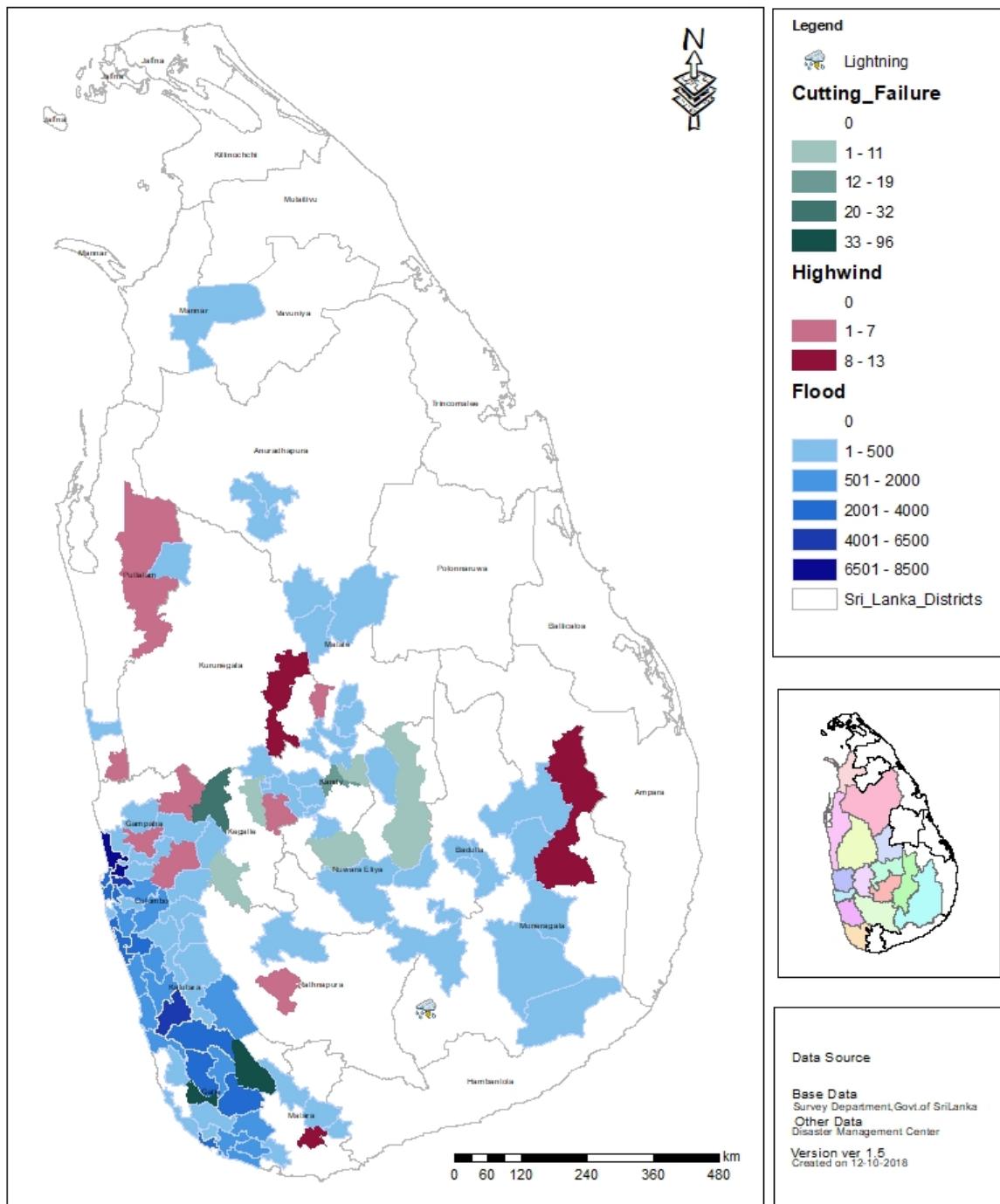
FIGURE 03: Affected Districts and Divisions for Priorities, 14 October 2018

Disaster Management Centre



People Affected by Flood/Highwind/Cutting Failure

as at 12/10/2018



FLOOD RESPONSE AND RESCUE OPERATIONS

Table 01: Details of Tri Forces allocation to the emergency response

(Galle, Kalutara, Puttalam, Colombo, Gampaha, Monaragala)

Deployed

SN	Tri Force	Officers	Others	Total	Equipment
1	Navy				
2	Army	4	68	72	3 Boats, 3 WMZ, 2 Iron horse
3	Air force				
4	Police				
Total		4	68	72	

Stand by

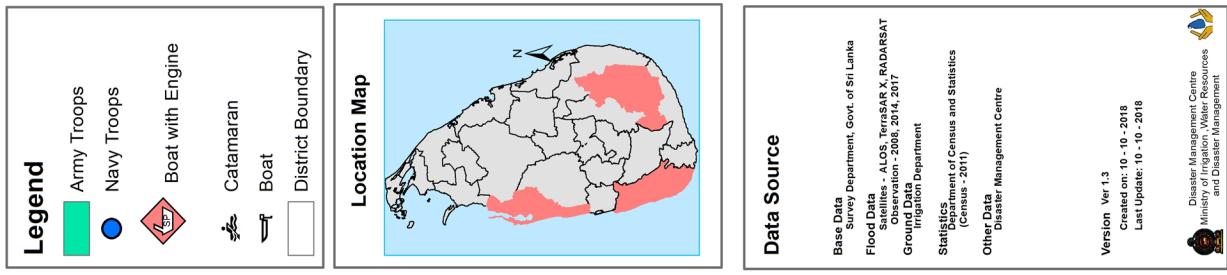
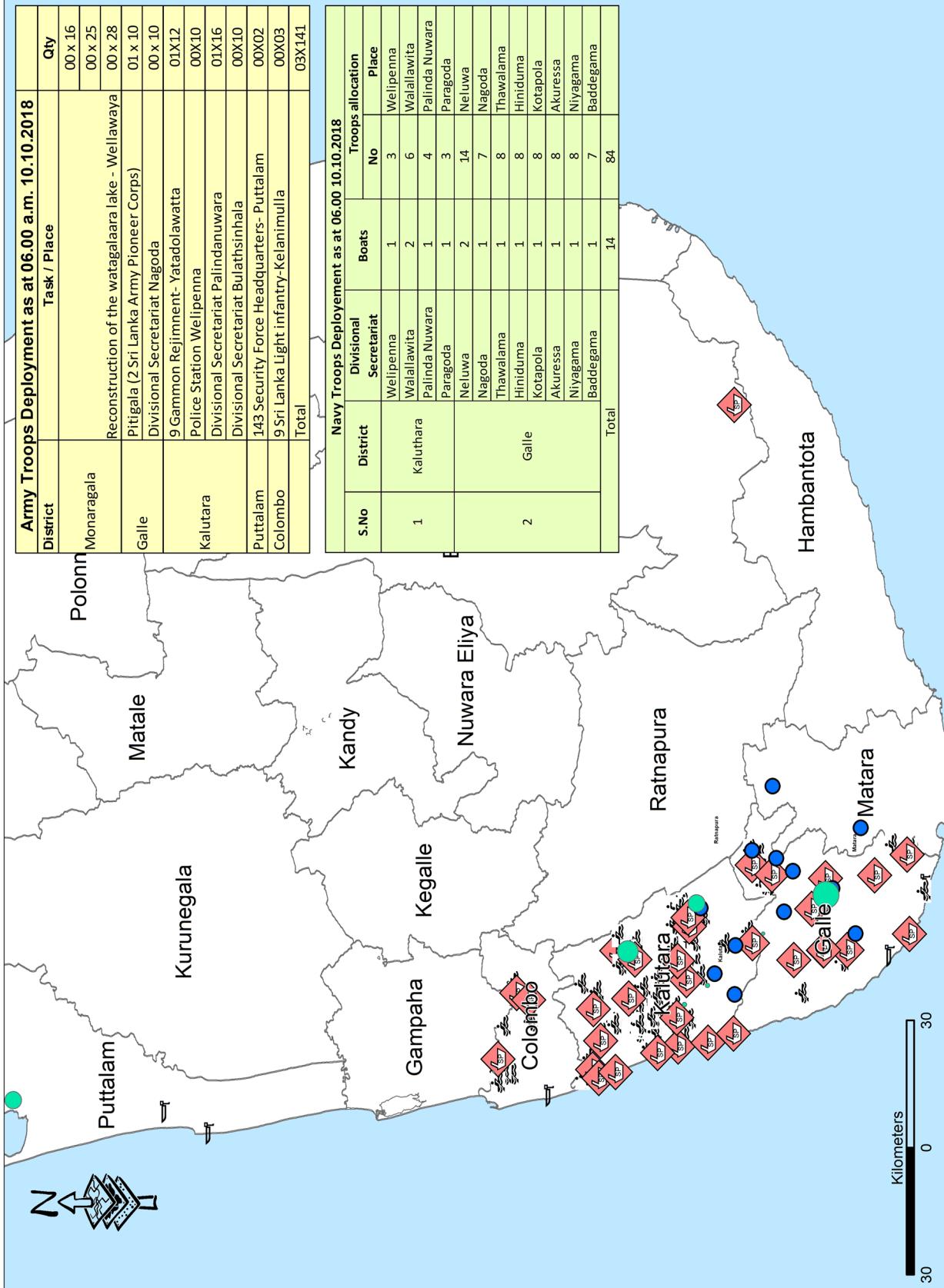
SN	Tri Force	Officers	Others	Total
1	Navy	9	216	225
2	Army	39	1020	1059
3	Air force		1024	1024
4	Police			
Total		48	2260	2308

Resources allocation to the Police

SN	District	Engine Boat	Catamaran	Boat
1	Kalutara	02	04	06
2	Matara			03
3	Colombo	15		
Total		17	04	09

Emergency Resources & Military Troops Location Map (Emergency Operation Purposes)

Monaragala/ Galle/ Kalutara/ Puttalam/ Colombo Districts



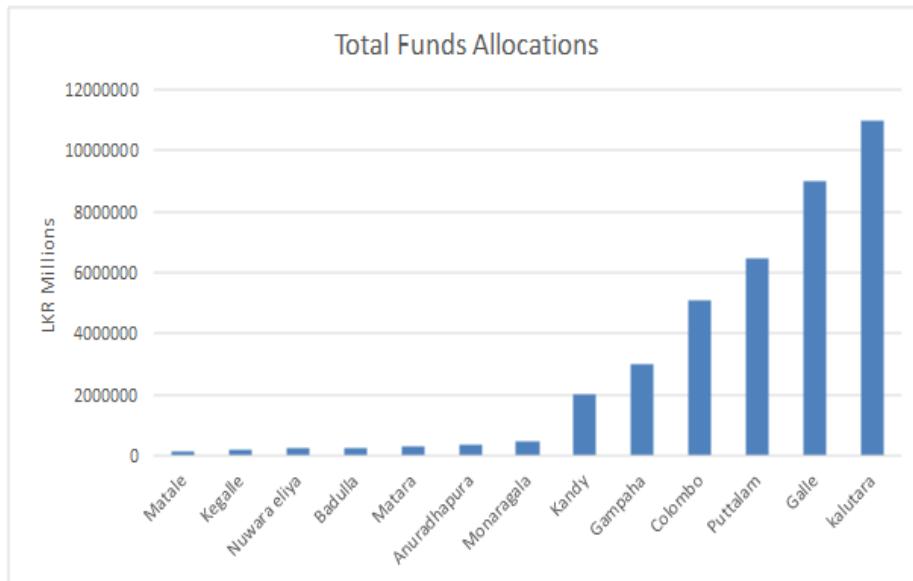


FIGURE 04: Disaster Relief Assistance advanced by NDRSC— As of 14 October 2018

NDRSC has allocated 38.51 Million Sri Lankan rupees to the most affected districts in order to assist the severely affected populations (See Figure 04).

Report produced at the Emergency Operation Centre (EOC) of the Disaster Management Centre (DMC)
 Ministry of Irrigation, Water resources and Disaster Management
 Technically supported by UN World Food Programme

List of Annexes

- I. Summary of the Situation
 - II. Forecast by Department of Meteorology
 - III. Water Level in Major Rivers (Dept of Irrigation)
 - IV. Landslide Warning

Situation Summary

Prepared by
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Development officer
National Disaster Relief Services Centre

Approved by
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Director
National Disaster Relief Services Centre

Weather forecast

WEATHER FORECAST FOR 14th OCTOBER 2018 (Issued at 05.30 a.m. on 14th October 2018)

Showers or thundershowers will occur at most places over the island particularly after 2.00p.m.

Showers may occur in coastal areas of Western province and Galle and Matara districts during the morning too.

Fairly heavy falls above 75mm can be expected at some places in Central, Uva, Southern and Sabaragamuwa provinces and in Batticaloa and Polonnaruwa districts.

There may be temporary localized strong winds during thundershowers. General public is kindly requested to take adequate precautions to minimize damages caused by lightning activity.

දිවයින් බොහෝ පුදේශවල, විසේෂයෙන් සවස 2.00 න් පමණ පසුව වැසි හෝ ගිගුරුම සහිත වැසි ඇති වේ.

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මධ්‍යම, උග්‍ර, දකුණු සහ සබරගමුව පළාත්වලන් මධිකලපුව සහ පොලොන්නරුව දිස්ත්‍රික්කවලන් ඇතුම ස්ථානවලට මි.මි. 75 ට වැඩි තරමක් තද වැසි ද ඇති විය හැක.

ගිගුරුම සහිත වැසි ඇති වන විට එම පුදේශවල කාවකාලිකව තද පූල. ඇති විය හැක. අකුණු මතින් සිදුවන අනතුරු අවම කර ගැනීමට අවශ්‍ය පියවර ගන්නා ලෙස ජනතාවගෙන් කාරුණිකව ඉල්ලා සිටිනු ලැබේ.

WEATHER FORECAST FOR SEA AREAS AROUND THE ISLAND DURING NEXT 24 HOURS (Issued at 05.30 a.m. on 14th October 2018)

Showers or thundershowers will occur at several places in the sea areas extending from Colombo to Potuvil via Galle and Hambanthota.

Winds will be South-westerly in direction and wind speed will be 25-35 kmph in the sea areas around the island.

The sea areas extending from Hambantota to Batticaloa via Potuvil can be fairly rough at times as the wind speed can increase up to 40-50 kmph at times.

Temporarily strong gusty winds and rough seas can be expected during thundershowers.

**ඉදිරි පැය 24 පදනා දිවයිනා වටා ඇති මුහුදේ කාලගුණ තත්ත්වය
2018 ඔක්තෝබර මස 14 දින උදාහන 05.30 ට නිකුත් කරන ලදී.**

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හම්බන්තොට සිට පොතුවිල් හරහා මධිකලපුව දක්වා වෙරළව ඔබෝන් වන මුහුදු පුදේශවල පූලගේ වේගය විවින් විට පැ.කී.මි.40-50 දක්වා වැඩිවීමේ හැකියාවක් පවතින අතර විවින් විට තරමක් රළ විය හැක.

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S. Jayal.
කාලගුණ විද්‍යාල (Duty Meteorologist),
කාලගුණ විද්‍යා දෙපාර්තමේන්තුව (Department of Meteorology)

EMERGENCY OPERATIONS DIVISION	
RECEIVED	
Date : .. 29.10.18 ..	Time : .. 05:45 hrs ..
D (Ope)/DD/ADO	
DISASTER MANAGEMENT CTR	

Rivers Water Level Update—Department of Irrigation

Islandwide Water Level Situation in Major Rivers

DATE : 14-Oct-2018

TIME : 09.30 AM

River	Gauging Station							Water Level before 1hr	Water Level at 9.00 am	Remarks	Water Level Rising or Falling
	Station	Coordinate	Catchment Area (km ²)	Unit	Alert Level	Minor Flood Level	Major Flood Level				
Kelani Ganga (RB 01)	N' Street	6° 57' 35" N 79° 52' 36.6" E	2085	ft	4.00	5.00	7.00	1.45	1.00	Normal	
	Hanwella	6° 54' 39.38" N 80° 05' 3.16" E	1782	m	7.00	8.00	10.00	1.93	1.92	Normal	
	Glencourse	6° 58' 25" N 80° 11' 3" E	1463	m	15.00	16.50	19.00	9.87	9.85	Normal	
	Holombuwa	7° 11' 6.6" N 80° 15' 53.3" E	155	m	3.00	3.40	5.00	0.52	0.52	Normal	
	Deraniyagala	6° 55' 23.23" N 80° 20' 20.3" E	183	m	4.80	5.80	6.40	0.69	0.72	Normal	
	Kitulgala	6° 59' 25" N 80° 24' 50" E	383	m	3.00	4.00	6.00	1.63	1.75	Normal	
	Norwood	6° 50' 8.32" N 80° 36' 52.75" E	97	m	1.50	2.00	2.15	0.80	0.80	Normal	
	Ratnapura	6° 40' 43.2" N 80° 23' 49.8" E	603	m	5.20	7.50	9.50	1.18	1.18	Normal	
Kalu Ganga (RB 03)	Ellagawa	6° 43' 54" N 80° 13' 4.2" E	1393	m	10.00	10.70	12.20	5.15	5.16	Normal	
	Millakanda	6° 37' 50.3" N 80° 9' 37.7" E	780	m	5.00	6.50	8.00	3.86	3.84	Normal	
	Putupaula	6° 36' 51.9" N 80° 3' 44.2" E	2598	m	3.00	4.00	5.00	1.10	1.08	Normal	
	Tawalama	6° 20' 33.3" N 80° 19' 55.2" E	377	m	4.25	4.50	6.10	2.31	2.28	Normal	
Gin Ganga (RB 09)	Baddegama	6° 10' 25" N 80° 10' 33.1" E	749	m	3.50	4.00	5.00	3.32	3.30	Normal	
	Pitabedda	6° 12' 48.2" N 80° 28' 34.5" E	310	m	3.25	4.00	5.00	0.92	0.90	Normal	
Nilwala Ganga (RB 12)	Panadugama	6° 08' 00" N 80° 29' 00" E	445	m	5.00	6.00	6.50	4.11	4.10	Normal	
	Urawa	6° 14' 11.8" N 80° 34' 18" E	59	m	2.50	3.00	4.00	0.59	0.57	Normal	
	Tanamalwila	6° 28' 5.9" N 81° 8' 2.8" E	749	m	4.00	5.00	5.50	0.53	0.51	Normal	
Kirindi Oya (RB 22)	Wellawaya	6° 42' 33.3" N 81° 6' 41.6" E	172	m	4.40	5.40	5.90	0.68	0.68	Normal	
	Kuda Oya	6° 31' 28.8" N 81° 07' 24" E	291	ft	20.00	25.00	26.00	1.90	1.90	Normal	
Maduru Oya (RB 54)	Padiyatalawa	7° 23' 0" N 81° 11' 30" E	159	m	4.00	4.50	6.00	0.24	0.24	Normal	
Kumbukkan Oya (RB 31)	Nakkala	6° 53' 42.4" N 81° 17' 49.3" E	216	m	5.00	6.00	7.50	0.66	0.65	Normal	
Heda Oya (RB 36)	Siyambalanduwa	6° 54' 16.5" N 81° 32' 44.4" E	295	m	4.50	5.00	5.60	0.30	0.30	Normal	
Mahaweli Ganga (RB 60)	Peradeniya	7° 16' 3" N 80° 36' 30" E	1168	m	5.00	7.00	9.00	1.61	1.59	Normal	
	Nawalapitiya	7° 2' 55" N 80° 32' 3" E	176	m	3.00	4.00	4.50	1.00	1.00	Normal	
	Weragantota	7° 19' 0" N 80° 59' 18.3" E	4092	m	5.00	6.00	8.00	-1.90	-1.95	Normal	
	Manampitiya	7° 54' 53.3" N 81° 5' 10" E	7418	m	3.50	3.70	4.00	-0.30	-0.10	Normal	
	Taldena	7° 5' 26.7" N 81° 2' 53.3" E	276	m	3.00	4.00	5.00	0.60	0.60	Normal	
	Calidonia	6° 54' 8.3" N 80° 42' 00" E	148	m	—	—	—	0.90	0.90	—	
Yan Oya (RB 67)	Horowpatana	8° 34' 39.44" N 80° 52' 43.25" E	720	m	6.00	7.30	10.44	1.80	1.77	Normal	
Malwathu Oya (RB 90)	Tantirimale	8° 35' 13.57" N 80° 16' 31.14" E	2116	m	6.75	7.25	—	1.39	1.38	Normal	
Mee Oya (RB 95)	Galgamuwa	7° 58' 13.3" N 80° 15' 18.3" E	299	m	4.84	5.94	7.00	0.04	0.04	Normal	
EMERGEN Maha Oya (RB 102)	Badagama	7° 18' 3.3" N 79° 58' 50" E	1360	ft	1.00	5.00	16.00	-10.35	-10.35	Normal	
	Giriulla	7° 19' 30" N 80° 6' 53.3" E	1192	m	5.00	6.00	6.50	1.12	1.12	Normal	
Attanagalu Oya (RB 103)	Duhamale	7° 7' 0" N 80° 4' 54.5" E	153	m	3.30	4.40	5.50	1.32	1.32	Normal	

Prepared by :

Time : 2018/10/14

Checked by :

G.A.S.Jayamal
D.A.Somawickrama

10:12 hrs

D (Ops)/DC/ADO

Eng.R.M.M.R.Alawathugoda
Director (Hydrology)

WATER MANAGEMENT CENTRE

Locations for Potential Risk				
District	Divisional Secretariat Divisions and Locations			Areas and places which need special attention
	Level 1 (Yellow)	Level 2 (Amber)	Level 3 (Red)	
Kalutara	Horana↓ Dodangoda↓ Madurawala↓ Kalutara↓ Divisional secretariat divisions and surrounding areas.	Walallawita↓ Bulathsinghalā↓ Agalawatta↓ Mathugama↓ Palindanuwara↓ Ingiriya Divisional secretariat divisions and surrounding areas.		All mountainous areas, manmade cut slopes and roads within the relevant DS divisions අදාල ප්‍රාදේශීය ලේකම් කොට්ඨාග තුළ පිහිටි කළකර බැවුම් හා ඒ ආශ්‍රිත ප්‍රදේශ තුළ පිහිටි නිර්මිත පිරිතේ සෙයලක පිරිවිනුවාන සකල මෘලප්පාංකාන පැවතිකාන මූල්‍යාංශ වෙට්ටපාට් නිලස සායුවක් <u>Specially:</u> All the landslide susceptible areas previously identified by NBRO.
Galle	Neluwa Thawalama Elpitiya Niyagama Nagoda Baddegama Yakkalamulla↓ Divisional secretariat divisions and surrounding areas.			<u>විශේෂ:</u> ජාතික ගොඩනැගිලි පර්යේෂණ සංවිධානය විසින් නායුත්වම් අවදානමක් ඇති ලෙස පුර්වයෙන් හඳුනාගෙන ඇති ප්‍රදේශ විශේෂමාක: ලොසමුවිනාලු මුණ්නරු අභ්‍යන්තර මණ්ඩලවාකාන රුතුනිලෙයුවාන සකල පිරිතේ සායුවක්.
Note: ↑shifted one level up, ↑↑shifted two levels up, ↓shifted one level down, ↓↓shifted two levels down. *newly added with the last update				
Special Note: These warning levels are issued based on the cumulative rainfall received to respective areas				