

Sri Lanka

Disaster Situation Update



Report as at 1200hrs on 2018.10.11



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 11 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.
- ◆ 75,241 people (18,736 families) have been affected (the Disaster Situation Report , DMC & National Disaster Relief Services Centre (NDRSC) at 1000 hours on 11th October 2018) and 12 deaths were reported in 5 Districts. NDRSC has provided 28.54 million cash allocations to the 11 District Secretaries to address the immediate needs of the affected populations.
- ◆ Heavily affected districts are Kalutara, Galle, Colombo and Gampaha counting 8,021 people and over 1,797 families are displaced (11th 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	109
Total no of families affected	18,736
No of members affected	75,241
Total no of death reported	Cutting Failure -8 (Galle- 2,Kalutara-6) Drowning -2 (Ratnapura -1,Colombo-1) Tree Fall - 2 (Kegalle -1, Ratnapura-1)
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	2,635
No of safety centers reported	14
No of families in safety centers	1,859
No of Persons in Safety centers	8,234

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, 1,859 families have been evacuated into 14 welfare centres in 5 Districts due to flood and landslide risks. As of now 12 deaths were reported to the Disaster Management Centre.

Two Tropical storms persisted in Arabian Sea and Bay of Bengal are moving away from the country and reduction of rainfall is expected from today onwards. However there is a possibility of rainfall in Southern, South-western and Sabaragamu areas and also in eastern, north central areas during next 48 hours.

Department of Meteorology reported last 24 hours rainfall observed in main stations ended on morning hours of 11 October 2018 showing reduction of rainfall in many areas; in Anuradhapura 00mm, Katunayaka 01mm, Mahailuppallama 00mm and Vavuniya 00mm. The highest rainfall recorded was around 50.4mm in Galle district District. However, based on received rainfall since 11th 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 Galle, Kegalle, Rathnapura and Badulla Districts.

Landslide Red alert is still effective in Kalutara, district.

Response Actions

The EOC of the DMC has coordinated with Military agencies and Police to mobilize troops for response actions. So far 19 officers, 650 soldiers with response equipment are mobilized in three districts to support ground efforts. Further, 50 officers and 1,275 soldiers are standby for required deployments.

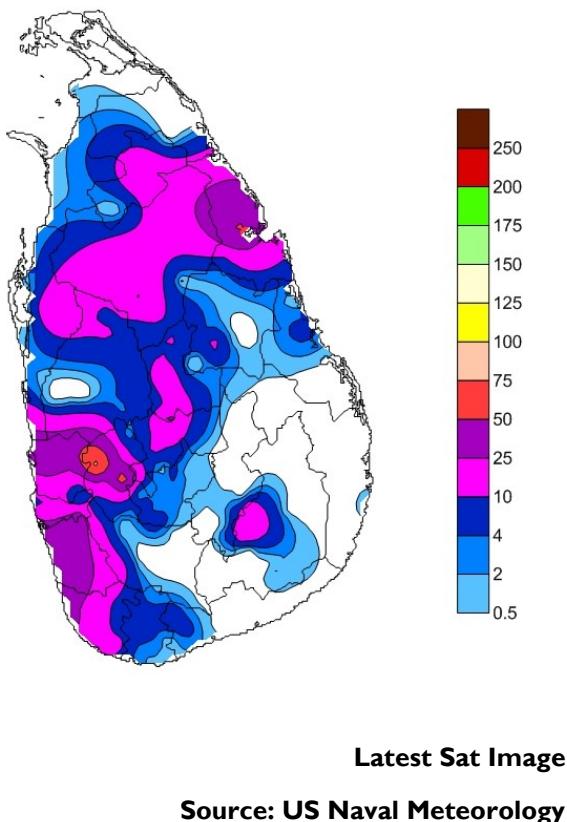
Cooked meals have been given by divisional administration with the support of DMC & NDRSC and military personnel for all displaced people in 4 Districts.

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 11 Oct 2018



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.

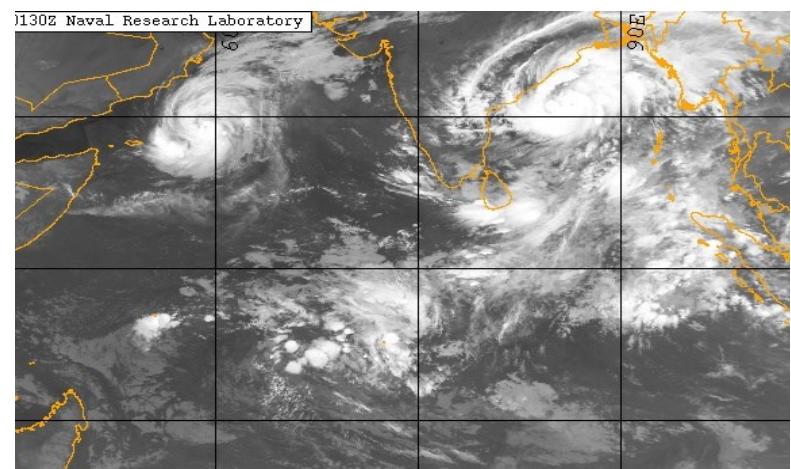
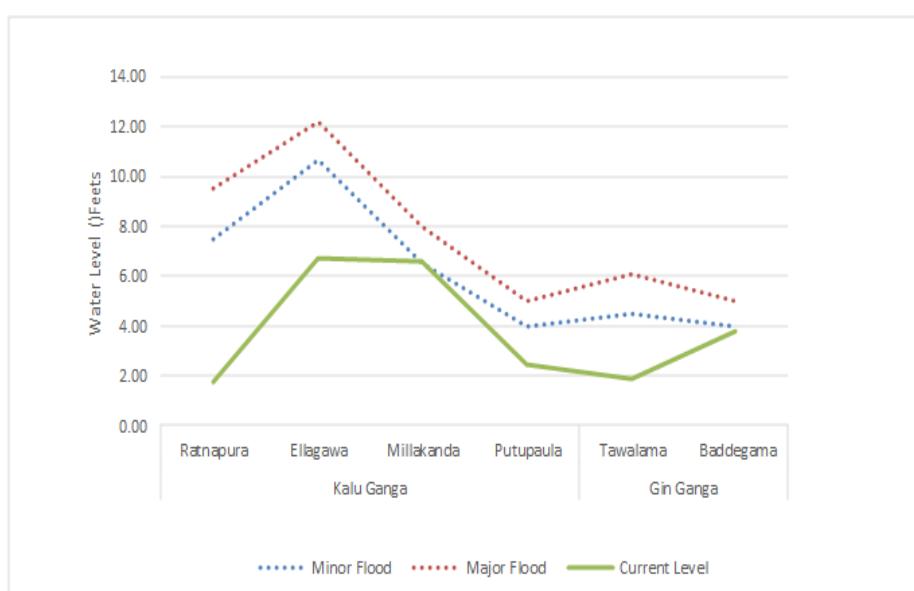


FIGURE 02: River water level, 0930 hours 11 October 2018



Reservoir Levels

Spill gates opened as 4 Gates of Rajanganaya, 4 Gates of Deduruoya, 1 gate of Laxapana since 6th October 2018 up to now.

River gauges in Kalu River (Ganga) showing minor flood level, Gin River (Ganga) Showing Alert level, other rivers are showing normal levels in rained areas

Source: Department of Irrigation

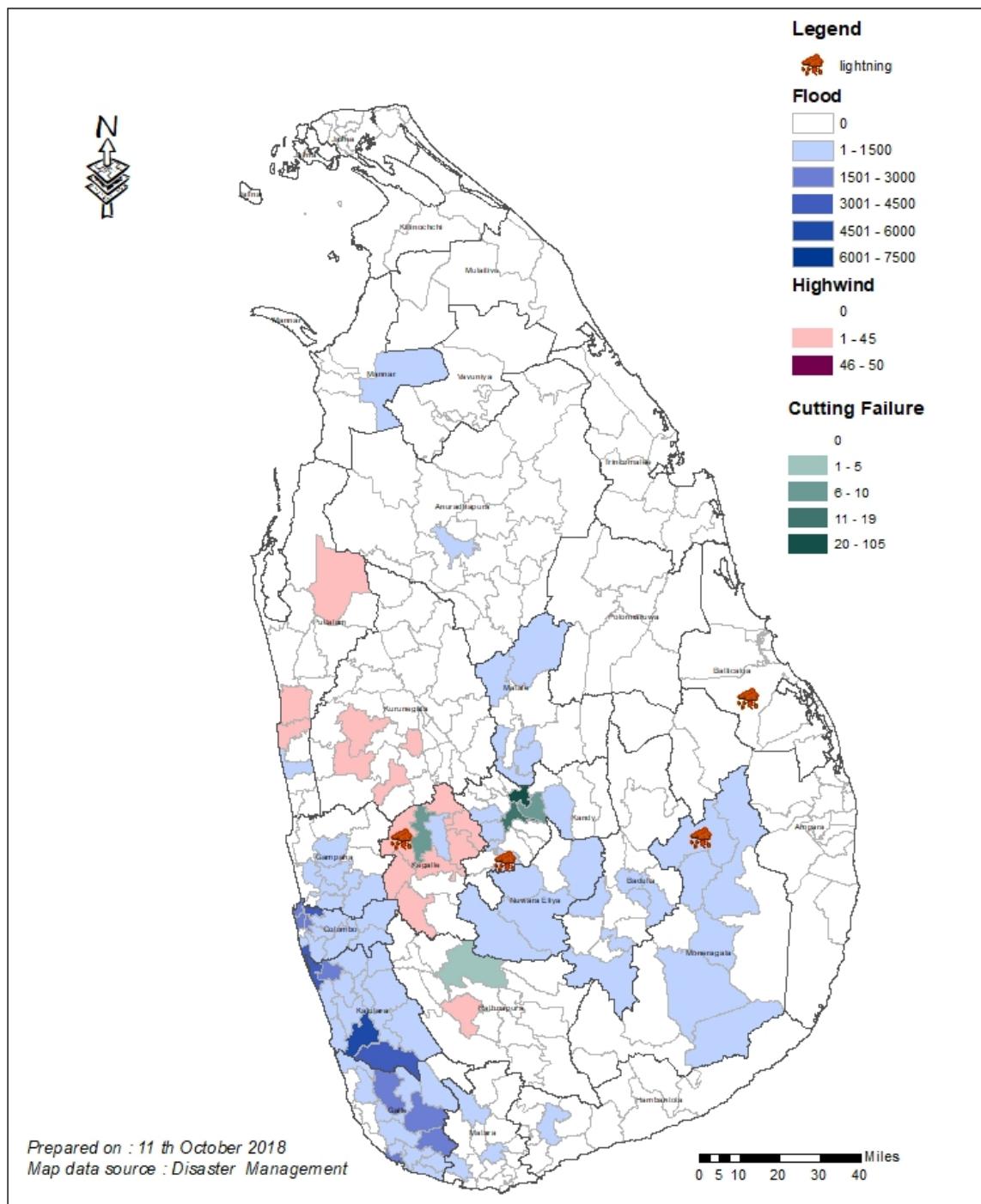
FLOOD & HIGH WIND IMPACT

FIGURE 03: Affected Districts and Divisions for Priorities, 11 October 2018



Disaster Management Centre

People Affected by Flood/Highwind/Cutting Failure/Lightning
as at 11/10/2018



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		87	87	15 boats
2	Army	3	141	144	3 Boats, 3 WMZ, 3 Iron horse
3	Air force				
4	Police				
Total		3	232	235	

Stand by

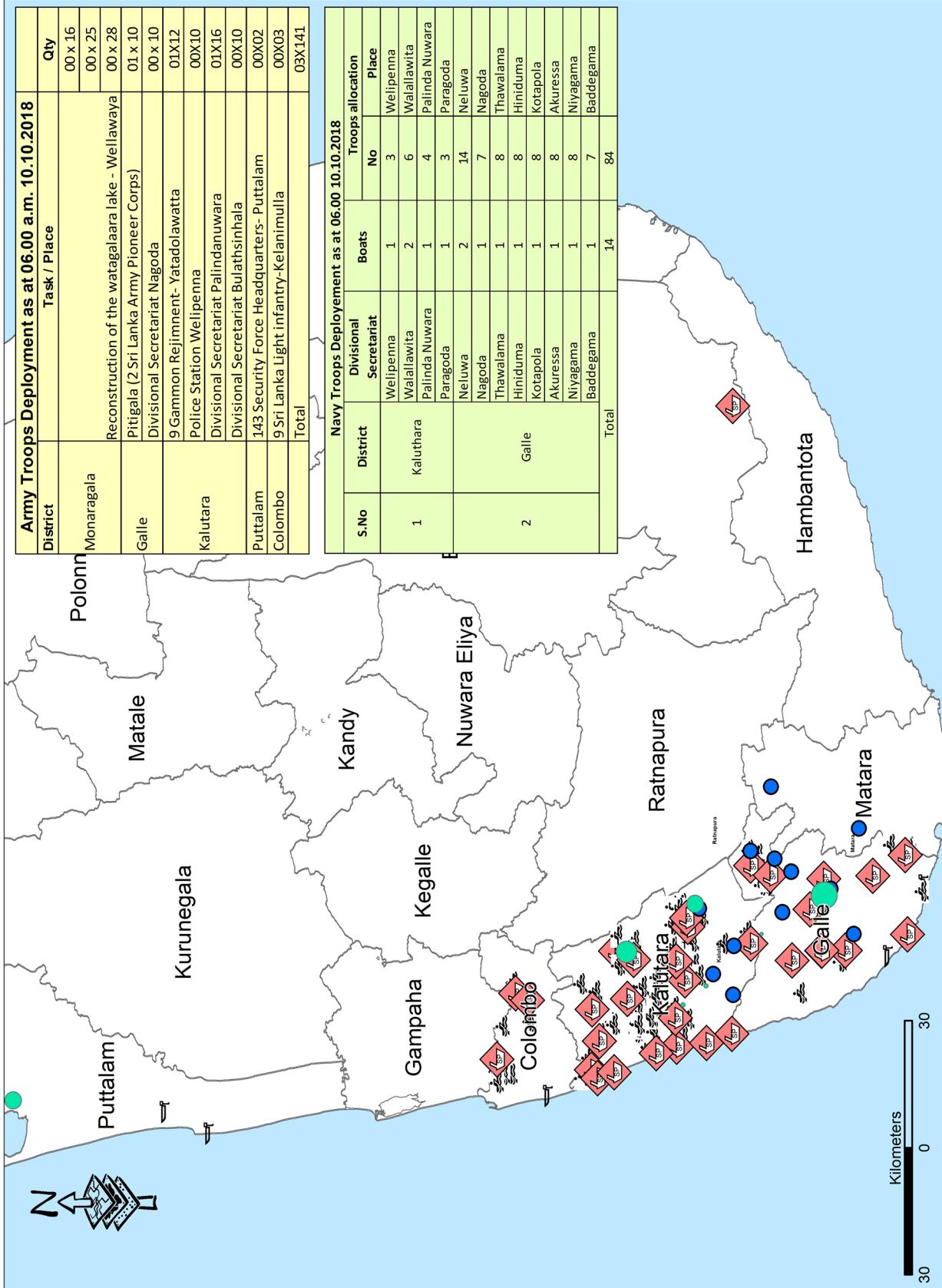
SN	Tri Force	Officers	Others	Total
1	Navy		214	214
2	Army	39	1020	1159
3	Air force		1006	1006
4	Police		132	
Total		39	2,158	2,279

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



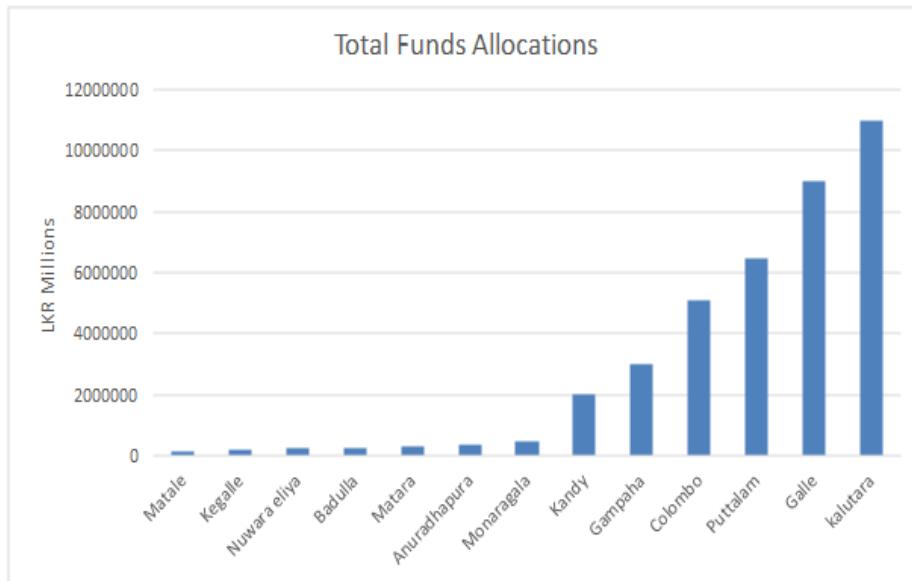


FIGURE 04: Disaster Relief Assistance advanced by NDRSC— As of 11 October 2018

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
I.C Pathiraja
Director
National Disaster Relief Services Centre

Weather forecast

WEATHER FORECAST FOR 11th OCTOBER 2018 (Issued at 05.30 a.m. on 11th October 2018)

The severe Cyclonic Storm "TITLI" in the Bay of Bengal was located near 18.7N, 84.9E, at 02.00 am today. The system is located 1200 km away from Trincomalee and it is likely to intensify further, move North-westwards towards Andhra Pradesh and enter the coast of India today morning.

The prevailing showery condition in the south western part of the Island expected to reduce some extend from today.

Showers or thundershowers will occur in Central, Southern and Uva provinces and in Kaluthara and Rathnapura Districts and Fairly heavy falls about 75 mm can be expected at some places.

Showers or thundershowers will occur several places elsewhere particularly after 2.00p.m.

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.

බඩාල බොක්ක මූහුදු ප්‍රදේශයේ පවතින වැළැං සුලිකනාවුව (TITLI) 2018 ඔක්තෝබර් අද උදෑසන 02.00 පමණ වන විට, උතුරු අක්ත්‍යාය 18.7 සහ තැනෙනේ දේශාය 84.9 ආසන්නව ස්ථානගතව පැවතුණි. මෙම පදනම් හිතුනාමලය සිට තී.මි 1200 පමණ දුරින් පවතින අතර එය තවදුරටත් වර්ධනය වෙමින් ඇස්ථා ප්‍රදේශයේ වෙරළ සිමාවන් අද පෙරවරුවේ ඉන්දියාවට ඇතුළත්තු ඇතුළු බලාපොරොත්තු වේ.

දිවයිනේ නිරිකිද කොටසේ පවතින තද වැසි සහිත කාලගුණ තත්ත්වයේ තරමක අඩු විමක් අද දිනයේ සිට බලාපොරොත්තු වේ.

මධ්‍යම, දකුණු සහ උව පළාත්වලන් කළතර සහ රෘත්තුපුර දිස්ත්‍රික්කවලන් වැසි හෝ ගිගුරුම් සහිත වැසි ඇති වන අතර ඇතුළු ස්ථානවලට තී.මි. 75 පමණ තරමක් තද වැසි ඇති විය හැක.

දිවයිනේ සෞඛ්‍ය ප්‍රදේශවල විශේෂයෙන් සටස 2.00 න් පමණ පැහැව වැසි හෝ ගිගුරුම් සහිත වැසි ඇති වේ.

ගිගුරුම් සහිත වැසි ඇති වන විට එම ප්‍රදේශවල කාවකාලිකව තද සූලං ඇති විය හැක. අකුණු මතින් සිදුවන අනතුරු අවම කරගැනීමට 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 11th October 2018)

Showers or thundershowers will occur at times in the sea areas extending from Kaluthara to Batticaloa via Galle and Hambanthota.

Winds will be South-westerly in direction and wind speed will be 30-40 kmph in the sea areas around the island.

The sea areas extending from Galle to Pottuvil via Hambantota can be fairly rough at times as the wind speed can increase up to 50 kmph at times.

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

ඉදිරි පැය 24 සඳහා දිවයින වටා ඇති මූහුදේ කාලගුණ තත්ත්වය
2018 ඔක්තෝබර් මස 11 දින උදෑසන 05.30 ට නිකුත් කරන ලදී.

කළතර සිට ගාල්ල සහ හමුන්නාට හරහා මධ්‍යම ප්‍රදේශවල විටින් විට වැසි හෝ ගිගුරුම් සහිත වැසි ඇති වේ.

දිවයින වටා වන මූහුදු ප්‍රදේශවල සූලං නිරින දිකාවන් හමු අතර සූලන් වෙශය පැ.කී.මි. 30-40 පමණ වේ. ගාල්ල සිට හමුන්නාට හරහා පෙනුවේ දක්වා වෙරළට ඔබිබෙන් වන මූහුදු ප්‍රදේශවල සූලන් වෙශය විටින් විට පැ.කී.මි.50 දක්වා වැසිවිමත් හැකියාවන් පවතින අතර විටින් විට තරමක් රළ විය හැක.

ගිගුරුම් සහිත වැසි ඇති වන විට එම ප්‍රදේශවල කාවකාලිකව තද සූලං ඇති විය හැක. අතර එවිට එම මූහුදු ප්‍රදේශ කාවකාලිකව රළ විය හැක.

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

EMERGENCY OPERATIONS DIVISION	
RECEIVED	
Date : 2018-10-11	
Time : 0550	
D (Ops)/DO/ADO	
DISASTER MANAGEMENT CENTRE	

Flood Update—Department of Irrigation

11-OCT-2018 10:12

P. 01

Islandwide Water Level Situation in Major Rivers

DATE : 11-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 (km²)	Unit	Alert Level	Minor Flood Level	Major Flood Level				
Kelani Ganga (RB 01)	N' Street	6° 57' 36" N 79° 52' 36.6" E	2085	ft	4.00	5.00	7.00	1.80	1.60	Normal	
	Hanwella	6° 54' 39.38" N 80° 05' 3.16" E	1782	m	7.00	8.00	10.00	3.42	3.36	Normal	
	Glencourse	6° 58' 25" N 80° 11' 3" E	1463	m	15.00	16.50	19.00	10.87	10.74	Normal	
	Holombuwa	7° 11' 6.6" N 80° 15' 53.3" E	155	m	3.00	3.40	5.00	0.88	0.86	Normal	
	Deraniyagala	6° 55' 23.23" N 80° 20' 20.3" E	183	m	4.80	5.80	6.40	0.98	0.99	Normal	
	Kitulgala	6° 59' 25" N 80° 24' 50" E	383	m	3.00	4.00	6.00	1.87	1.85	Normal	
	Norwood	6° 50' 8.32" N 80° 36' 52.75" E	97	m	1.50	2.00	2.15	0.82	0.82	Normal	
Kalu Ganga (RB 03)	Ratnapura	6° 40' 43.2" N 80° 23' 49.8" E	603	m	5.20	7.50	9.50	1.85	1.74	Normal	
	Ellagawa	6° 43' 54" N 80° 13' 4.2" E	1393	m	10.00	10.70	12.20	6.65	6.69	Normal	
	Millakanda	6° 37' 50.3" N 80° 9' 37.7" E	780	m	5.00	6.50	8.00	6.68	6.62	Minor Flood	Falling
	Putupaula	6° 36' 51.9" N 80° 3' 44.2" E	2598	m	3.00	4.00	5.00	2.50	2.47	Normal	
Gin Ganga (RB 08)	Tawalama	6° 20' 33.3" N 80° 19' 55.2" E	377	m	4.25	4.50	6.10	1.84	1.86	Normal	
	Baddegama	6° 10' 25" N 80° 10' 33.1" E	749	m	3.50	4.00	5.00	3.82	3.78	Alert	Falling
	Pitabeddara	6° 12' 48.2" N 80° 28' 34.5" E	310	m	3.25	4.00	5.00	0.80	0.57	Normal	
Nilwala Ganga (RB 12)	Panadugama	6° 08' 0" N 80° 29' 0" E	445	m	5.00	6.00	6.50	3.50	3.48	Normal	
	Urawa	6° 14' 11.8" N 80° 34' 18" E	59	m	2.50	3.00	4.00	0.21	0.21	Normal	
	Tanamaiwila	6° 28' 5.9" N 81° 8' 2.8" E	749	m	4.00	5.00	5.50	0.54	0.52	Normal	
Kirindi Oya (RB 22)	Wellawaya	6° 42' 33.3" N 81° 6' 41.6" E	172	m	4.40	5.40	5.90	0.72	0.71	Normal	
	Kuda Oya	6° 31' 28.8" N 81° 07' 24" E	291	ft	20.00	25.00	26.00	1.80	1.75	Normal	
	Padiyatalawa	7° 23' 0" N 81° 11' 30" E	159	m	4.00	4.50	6.00	0.29	0.29	Normal	
Kumbukkan Oya (RB 31)	Nakkala	6° 53' 42.4" N 81° 17' 49.3" E	216	m	5.00	6.00	7.50	0.72	0.72	Normal	
Heda Oya (RB 36)	Slyambalanduwa	6° 54' 16.5" N 81° 32' 44.4" E	295	m	4.50	5.00	5.80	0.36	0.38	Normal	
Mahaweli Ganga (RB 60)	Peradeniya	7° 18' 3" N 80° 36' 30" E	1188	m	5.00	7.00	9.00	2.95	2.97	Normal	
	Nawalapithya	7° 2' 55" N 80° 32' 3" E	176	m	3.00	4.00	4.50	1.10	1.10	Normal	
	Weragantota	7° 19' 0" N 80° 59' 18.3" E	4092	m	5.00	6.00	8.00	-2.81	-2.89	Normal	
	Manampitiya	7° 54' 53.3" N 81° 5' 10" E	7418	m	3.50	3.70	4.00	-0.34	-0.31	Normal	
	Taldena	7° 6' 26.7" N 81° 2' 53.3" E	276	m	3.00	4.00	5.00	0.66	0.66	Normal	
	Calldonia	6° 54' 8.3" N 80° 42' 0" E	148	m	-	-	-	0.98	0.98	-	
Yan Oya (RB 67)	Horowpatana	8° 34' 38.44" N 80° 52' 43.25" E	720	m	6.00	7.30	10.44	1.39	1.39	Normal	
Malwathu Oya (RB 90)	Tantirimale	8° 35' 13.57" N 80° 16' 31.14" E	2116	m	6.75	7.25	-	1.96	1.96	Normal	
Mee Oya (RB 95)	Galgamuwa	7° 58' 13.3" N 80° 15' 18.3" E	299	m	4.84	5.94	7.00	0.26	0.26	Normal	
Maha Oya (RB 102)	Badalgama	7° 18' 3.3" N 79° 58' 50" E	1360	ft	1.00	5.00	15.00	-8.70	-8.75	Normal	
	Girilulla	7° 19' 30" N 80° 6' 63.3" E	1192	m	5.00	6.00	6.50	1.31	1.30	Normal	
Attanagalu Oya (RB 103)	Dunamale	7° 7' 0" N 80° 41' 54.5" E	2018/10/11	m	3.30	4.40	5.50	2.16	2.14	Normal	

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Time : 0950 hrs.

for D.A.S

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Director (Hydrology)
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Hydrology Division

D.E.S./DO/ADO

DISASTER MANAGEMENT CENTRE

Landslide Watch —National Building Research Organization

Locations for Potential Risk				
නායුදාලී අවධානම පැවතීය හැකි ප්‍රදේශ කන්තියාන අපායමුණ්ණ මූල්‍යක්ෂණ ප්‍රදේශ				
District	Divisional Secretariat Divisions and Locations			Areas and places which need special attention
	Level 1 (Yellow)	Level 2 (Amber)	Level 3 (Red)	
Kalutara		Horana* Divisional secretariat division and surrounding areas	Walallawita, Bulathsinghala, Agalawatta, Mathugama, Palindanuwara, Ingiriya Divisional secretariat divisions and surrounding areas	All mountainous areas, manmade cut slopes and roads within the relevant DS divisions
Badulla	Bandarawela Divisional secretariat division and surrounding areas	Haldummulla Divisional secretariat division and surrounding areas		අදාළ ප්‍රාදේශීය ලේකම් කොට්ඨාය තුළ පිහිටි කුදකර බැඳුම් හා ඒ ආශ්‍රිත ප්‍රදේශ තුළ පිහිටි සිර්මින ප්‍රාදේශ ජ්‍යෙෂ්ඨ ප්‍රියෝගුණාත්මක සකස මෘදුකාංගකාන පැවතින් මුළු ප්‍රාදේශීය නිල සාම්බුද්ධීන්
Kegalle	Dehiovita, Yatiyantota, Ruwanwella Divisional secretariat divisions and surrounding areas			<u>Specially:</u> All the landslide susceptible areas previously identified by NBRO.
Galle		Neluwa, Thawalama, Alipitiya, Niyagama, Nagoda, Yakkalamulla, Baddegama Divisional secretariat divisions and surrounding areas		<u>විශ්‍යේෂ:</u> ජාතික ගොඩනැගිලි පර්‍රයේඛක සංවිධානය විසින් නායුදාලී අවධානම් ඇති ලෙස ප්‍රරිචනයේ හඳුනාගෙන ඇති ප්‍රදේශ <u>මුද්‍රණය:</u> NBRO විසා මුද්‍රණ නිශ්චාල මෘදුකාංගකාන ගැන්ත්‍රාවයුණා සකස ප්‍රාදේශීයක්.
Ratnapura	Rathnapura Kalawana Ayagama			

Note: ↑shifted one level up, ↑↑shifted two levels up, ↓shifted one level down, ↓↓shifted two levels down.