



Sri Lanka Disaster Situation Update

Report as at 1200hrs on 2018.10.10



**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

CONTENTS

| | |
|---|----|
| 1. SITUATION SUMMARY | 3 |
| 2. CURRENT SITUATION..... | 4 |
| 3. RESPONSE ACTIONS..... | 4 |
| 4. RAINFALL STATUS | 5 |
| 5. FLOOD AND HIGH WIND IMPACT | 6 |
| 6. FLOOD RESPONSE AND RESCUE OPERATIONS | 7 |
| 7. RESOURCE MAP | 8 |
| 8. ENDORSEMENT | 9 |
| | |
| ANNEXES | 11 |

SITUATION SUMMARY

- ◆ A heavy rainfall together with high winds was occurred across several parts of Sri Lanka between 01 to 10 October 2018, caused flash floods mainly in twelve districts, including Southern, Western, North-Western and Sabaragamuwa Provinces.
- ◆ Early-warning 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.
- ◆ 69,583 people (17,303 families) have been affected (the Disaster Situation Report , DMC & National Disaster Relief Services Centre (NDRSC) at 1200 hours on 10th 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.
- ◆ Highly affected districts are Kalutara, Galle, Colombo and Gampaha counting 16,756 families and over 2,500 families are displaced
- ◆ 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 | | 102 |
| Total no of families affected | | 17,303 |
| No of members affected | | 69,583 |
| Total no of death reported | Cutting Failure -8 (Galle- 2,Kalutara-6) | 12 |
| | 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 | | 39 |
| Total no of partially damaged houses | | 1,899 |
| No of safety centers reported | | 28 |
| No of families in safety centers | | 2,641 |
| No of Persons in Safety centers | | 12,453 |

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, 2,641 families have been evacuated into 28 welfare centres in 6 Districts due to flood and landslide risks. As of now 11 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 10 October 2018 showing reduction of rainfall in many areas; in Anuradhapura 23mm, Katunayaka 35mm, Mahailuppallama 26.7mm and Vavuniya 14.2mm. The highest rainfall recorded was around 84.3mm in Warakapola in Kegalle District. However, based on received rainfall since 8th 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, Galle and Badulla Districts.

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.

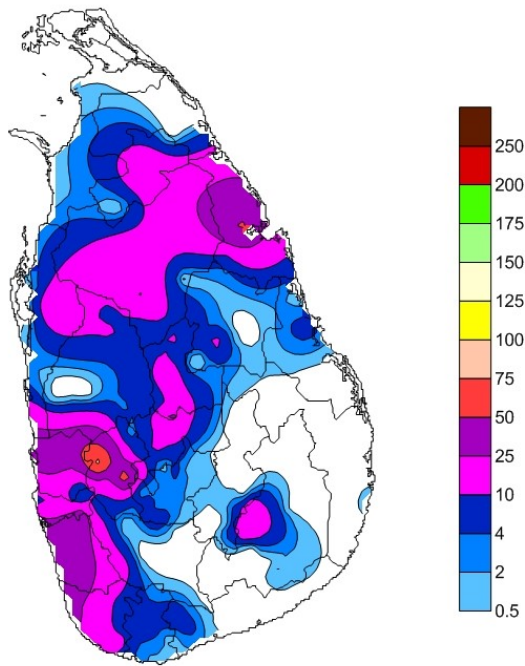
Cooked meals have been given by divisional administration with the support of DMC/NDRSC and military personnel for all displaced people in 4 Districts.

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 10 Oct 2018



Latest Sat Image

Source: US Naval 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 established over the country now and today onward evening showers are expected.

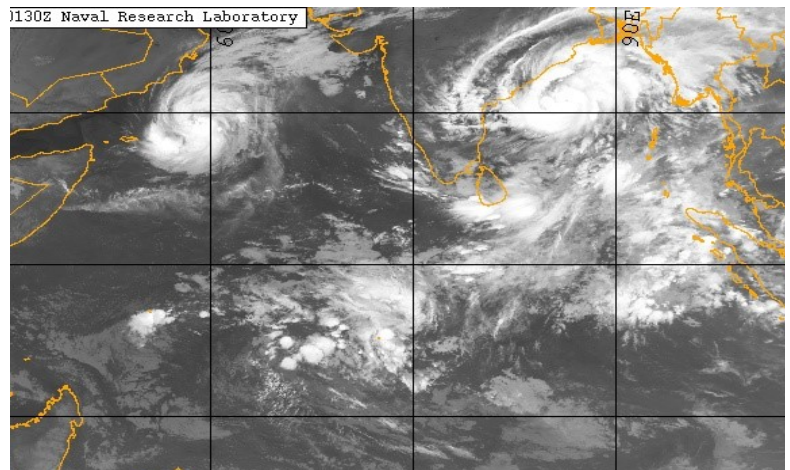
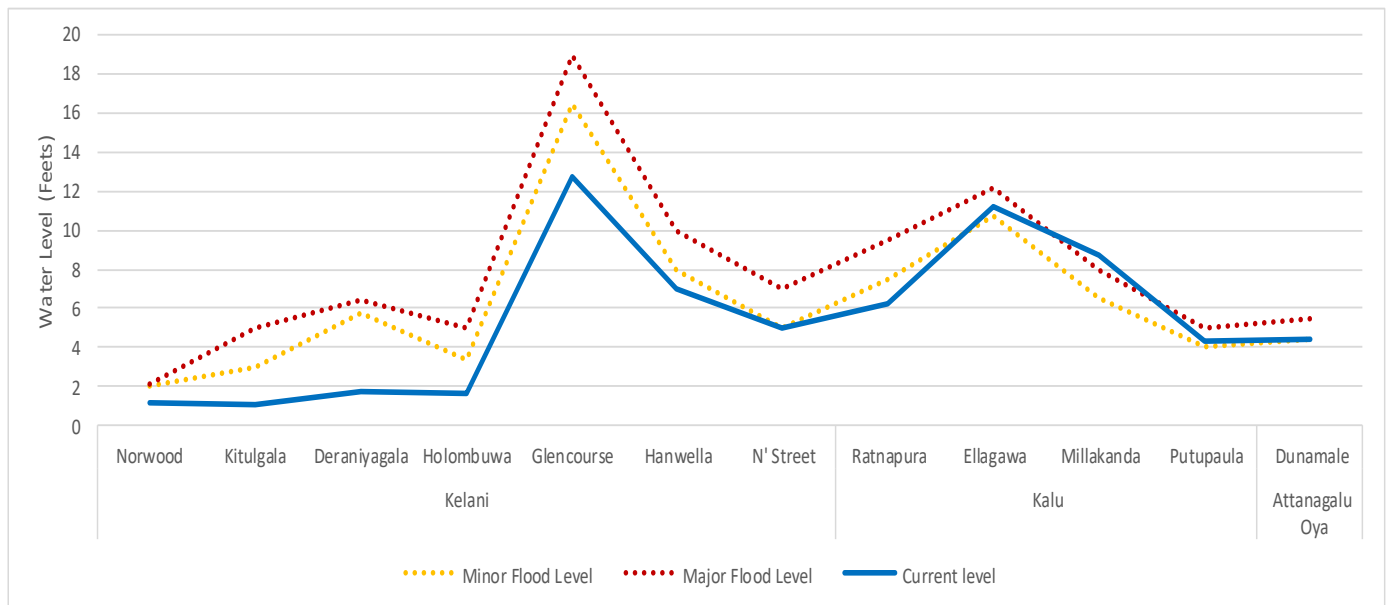


FIGURE 02: River water level, 0930 hours 10 October 2018



Reservoir Levels

4 Gates of Rajanganaya, 4 Gates of Deduruoya, 1 Gate of Kukuleganga, 1 gate of Laxapana since 6th October 2018 up to now. River gauges in Kalu River (Ganga) showing minor flood level, other rivers are showing normal levels in rained areas

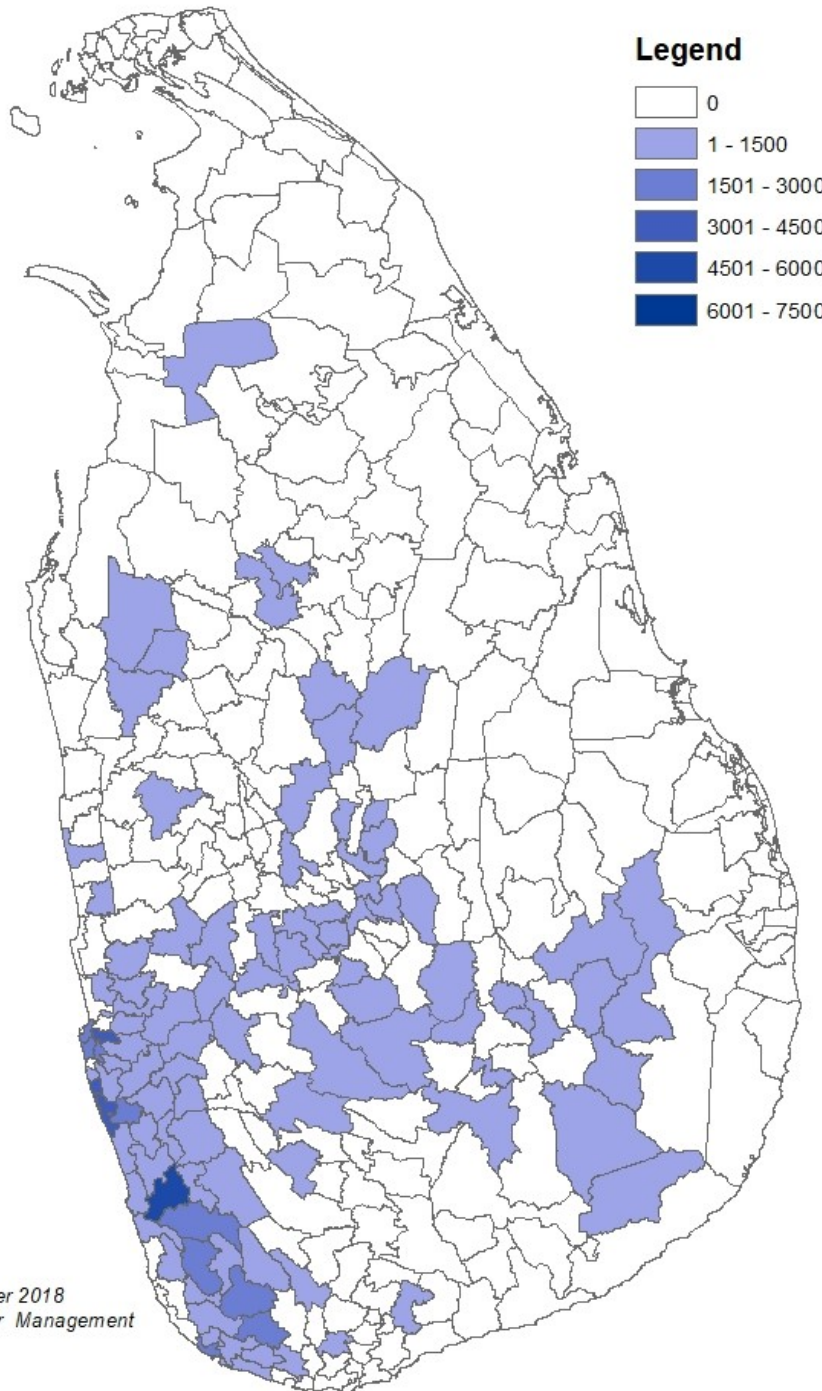
Source: Department of Irrigation

FLOOD & HIGH WIND IMPACT

FIGURE 03: Affected Districts and Divisions for Priorities, 10 October 2018



Disaster Management Centre People Affected by Flood/Highwind/Cutting Failure as at 10/10/2018



Prepared on : 10 th October 2018
Map data source : Disaster Management

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 | | 91 | 91 | 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

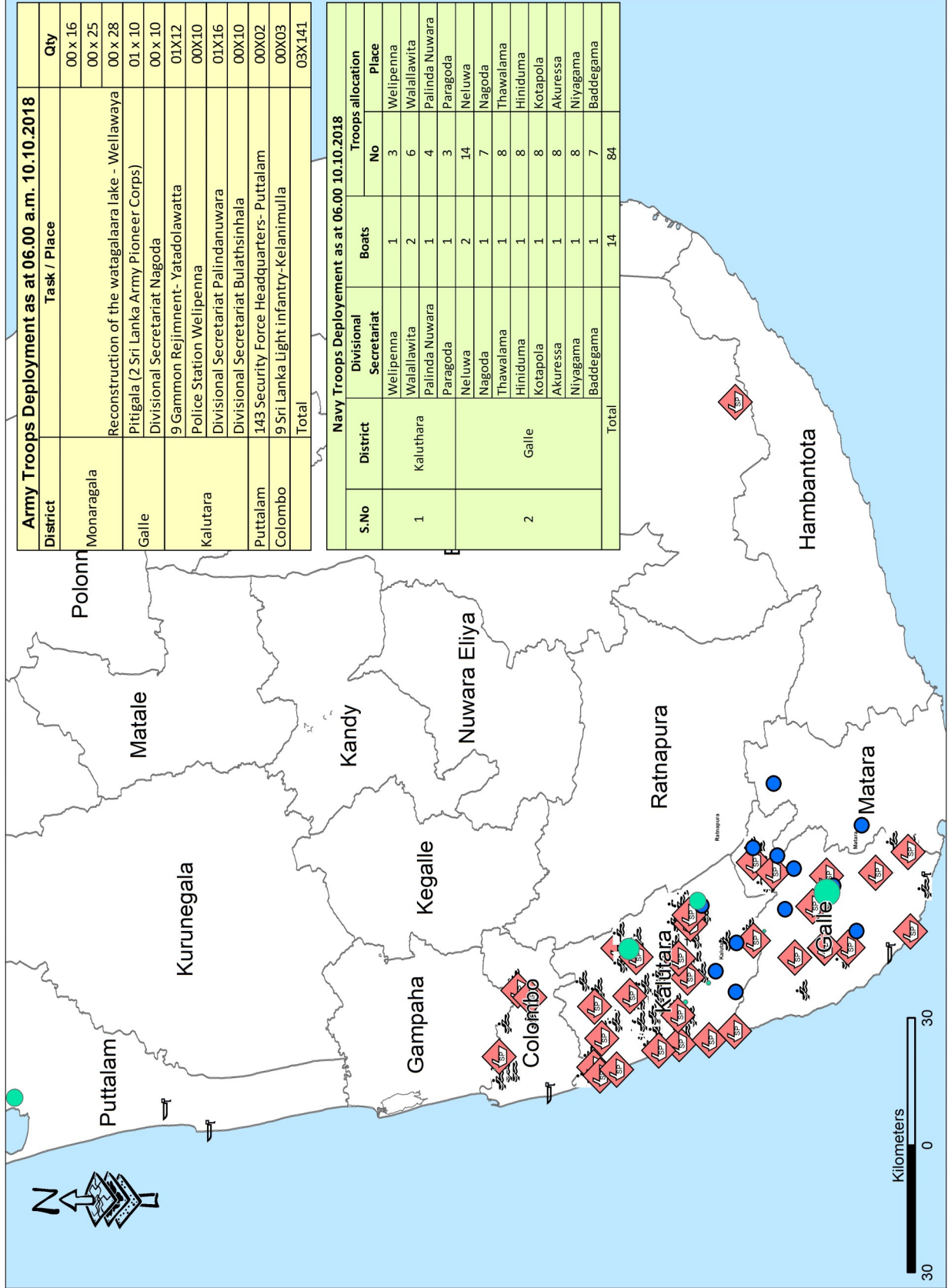
| SN | District | Engine Boat | Catamaran | Boat |
|--------------|----------|-------------|-----------|-----------|
| 1 | Kalutara | 02 | 04 | 06 |
| 2 | Matara | | | 03 |
| 3 | Colombo | 15 | | |
| Total | | 17 | 04 | 09 |

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

Monaragala/ Galle/ Kalutara/ Puttalam/ Colombo Districts

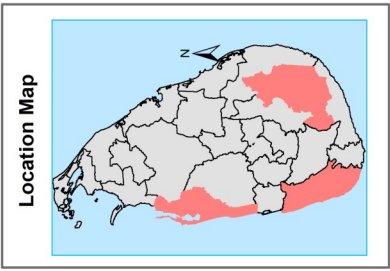
| Army Troops Deployment as at 06.00 a.m. 10.10.2018 | | Qty |
|--|--|---------|
| District | Task / Place | |
| Monaragala | Reconstruction of the watagalaara lake - Wellawaya | 00 x 16 |
| Galle | Pittigala (2 Sri Lanka Army Pioneer Corps) | 00 x 25 |
| | Divisional Secretariat Nagoda | 00 x 28 |
| Kalutara | 9 Gammon Rejiment- Yatadolawatta | 01 x 10 |
| | Police Station Welipenna | 00 x 10 |
| | Divisional Secretariat Palindanuwara | 01X12 |
| Puttalam | Divisional Secretariat Bulathsinhala | 00X10 |
| Colombo | 143 Security Force Headquarters- Puttalam | 00X02 |
| | 9 Sri Lanka Light Infantry-Kelanimulla | 00X03 |
| | Total | 03X141 |

| Navy Troops Deployment as at 06.00 10.10.2018 | | | | |
|---|-----------|------------------------|-------------------|----|
| S.No | District | Divisional Secretariat | Troops allocation | |
| | | | Boats | No |
| 1 | Kaluthara | Welipenna | 1 | 3 |
| | | Walallawita | 2 | 6 |
| | | Palinda Nuwara | 1 | 4 |
| | | Paragoda | 1 | 3 |
| | | Neluwa | 2 | 14 |
| | | Nagoda | 1 | 7 |
| 2 | Galle | Thawalama | 1 | 8 |
| | | Hiniduma | 1 | 8 |
| | | Kotapola | 1 | 8 |
| | | Akuressa | 1 | 8 |
| | | Niyagama | 1 | 8 |
| | | Baddegama | 1 | 7 |
| | Total | | 14 | 84 |



Legend

- Army Troops
- Navy Troops
- Boat with Engine
- Catamaran
- Boat
- District Boundary



Data Source

Base Data
Survey Department, Govt. of Sri Lanka

Flood Data
SARATHI, I.I.S. THIRUWAKYA, RODIRSAT
Observation - 2008, 2014, 2017

Ground Data
Irrigation Department

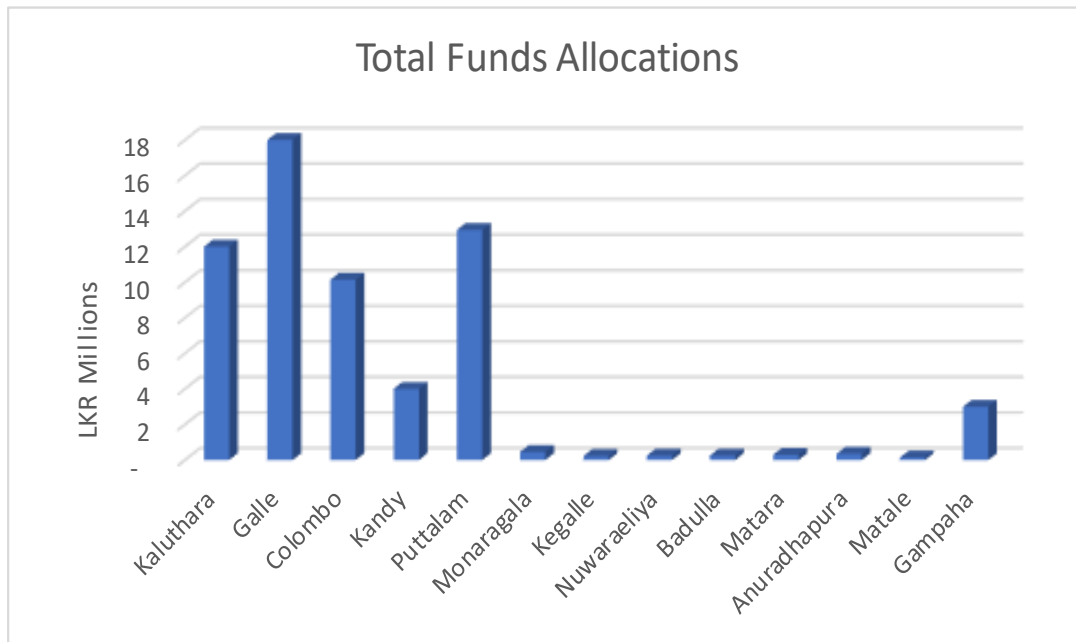
Statistics
Department of Census and Statistics
(Census - 2011)

Other Data
Disaster Management Centre

Version Ver 1.3
Created on: 10 - 10 - 2018
Last Update: 10 - 10 - 2018

Disaster Management Centre
Ministry of Irrigation, Water Resources
and Disaster Management

FIGURE 04: Disaster Relief Assistance advanced by NDRSC— As of 10 October 2018



NDRSC has allocated 28.45 Million Sri Lankan rupees to the most affected districts in order to assist the severely affected populations (See Figure 04).

Further, LKR 10.5 million was allocated for 5 Districts for initial pay of LKR 10,000 for affected houses.

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


Brig W A Ariarathna RWP RSP
Director Emergency Operations
Disaster Management Centre

Dr. S. Amalanathan
Director General,
Disaster Management Centre

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 Summery



Ministry of Irrigation and Water resource & Disaster Management
National Disaster Relief Services Center (NDRSC)
 Situation Report As at 1200 Hrs On 10th of October 2018

| No | පරිපාලන ප්‍රදේශ අර්ථය Administrative Purview | | අපදාම Disaster | අපදාම දිනය Date of Commenced | බලපෑමට ලක් වූ පවුල් සංඛ්‍යාව Affected | | මිය යාම් Deaths | කුලල වූ පුද්ගලයන් Injured persons | අතුරුදහන් වූ පුද්ගලයන් Missing Persons | නිවස හානි House Damaged | | වෙනත් හානි Other Damages | | අපදාම Safety centers | | | Total House Damages |
|----------------------------|--|--------------------------------|---|---------------------------------------|---|----------------------|--------------------|--|---|----------------------------|---|--|---|--|-------------------------------|----------------------|------------------------|
| | දිස්ත්‍රික්කය District | ප්‍රා.ලේ. කොට්ඨාසය Division | | | පවුල් සංඛ්‍යාව Families | පුද්ගලයන් Persons | | | | පුළුල් හානි Fully | අවම හා පරිපූර්ණ හානි Partially | කුඩා හා මධ්‍යම ව්‍යාපෘති වලට වූ හානිය Small, Medium Enterprises Damages | වෙනත් හානි කුඩා හා මධ්‍යම ව්‍යාපෘති වලට වූ හානිය Damages to critical infrastructure | අපදාම විවිධ විෂය වලට වූ හානිය Nos | පවුල් සංඛ්‍යාව Families | පුද්ගලයන් Persons | |
| 1 | Kalutara | 14 | Flood/High wind/Cuttin & Failure/Landsli de | 6-Oct-18 | 4,888 | 18,894 | 6 | 5 | 0 | 18 | 556 | 107 | 0 | 2 | 15 | 58 | 574 |
| 2 | Galle | 14 | | 6-Oct-18 | 3,416 | 12,943 | 2 | 0 | 0 | 16 | 643 | 170 | 9 | 1 | 4 | 15 | 659 |
| 3 | Colombo | 12 | | 6-Oct-18 | 4,476 | 18,198 | 1 | 0 | 0 | 0 | 356 | 6 | 0 | 10 | 374 | 2,052 | 356 |
| 4 | Kegalle | 7 | | 5-Oct-18 | 26 | 101 | 1 | 3 | 0 | 0 | 22 | 5 | 0 | 0 | 0 | 0 | 22 |
| 5 | Kandy | 7 | | 6-Oct-18 | 216 | 831 | 0 | 7 | 0 | 0 | 3 | 191 | 4 | 0 | 0 | 0 | 194 |
| 6 | Puttalam | 6 | | 6-Oct-18 | 25 | 73 | 0 | 0 | 0 | 0 | 13 | 1 | 2 | 0 | 0 | 0 | 13 |
| 7 | Nuwaraeliya | 3 | | 5-Oct-18 | 29 | 150 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 16 |
| 8 | Gampaha | 10 | | 6-Oct-18 | 3,976 | 17,417 | 0 | 0 | 0 | 0 | 16 | 4 | 0 | 13 | 2,186 | 10,117 | 16 |
| 9 | Kurunegala | 2 | | 6-Oct-18 | 5 | 23 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| 10 | Anuradhapura | 4 | | 5-Oct-18 | 32 | 123 | 0 | 0 | 0 | 2 | 29 | 0 | 0 | 0 | 0 | 0 | 31 |
| 11 | Rathnapura | 2 | | 2-Oct-18 | 4 | 19 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| 12 | Mannar | 1 | | 7-Oct-18 | 56 | 184 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 56 | 184 | 0 |
| 13 | Matara | 3 | | 8-Oct-18 | 15 | 64 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 15 |
| 14 | Badulla | 6 | | 3-Oct-18 | 79 | 328 | 0 | 2 | 0 | 0 | 21 | 0 | 0 | 1 | 6 | 27 | 21 |
| 15 | Matale | 6 | | 3-Oct-18 | 14 | 55 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 14 |
| 16 | Monaragala | 7 | | 5-Oct-18 | 46 | 180 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 46 |
| මුළු වෙනම/මුළු/Total (104) | | | | | 17,303 | 69,583 | 12 | 18 | 0 | 39 | 1,945 | 297 | 11 | 28 | 2,641 | 12,453 | 1,984 |

Weather forecast



කාලගුණවිද්‍යා දෙපාර්තමේන්තුව
வளிமண்டலவியல் திணைக்களம்
Department of Meteorology

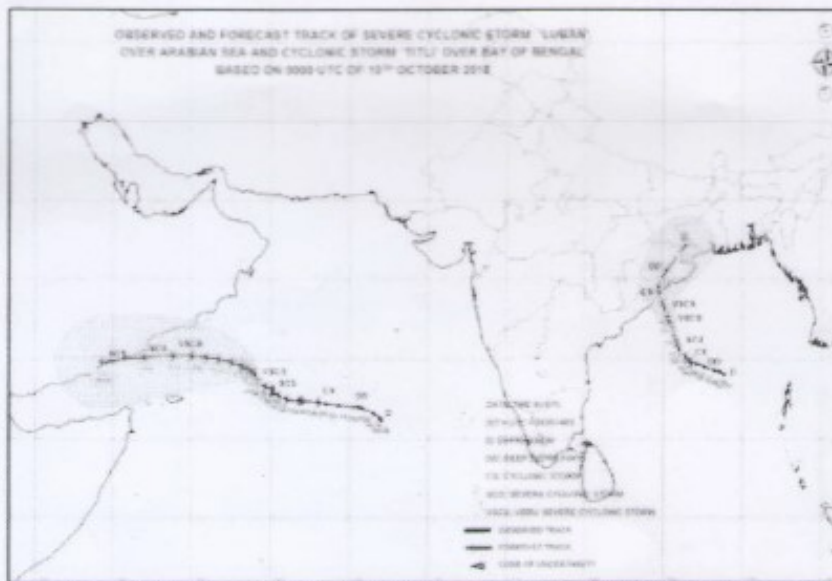
TP : 011 2686686
Fax : 011 2691443
E-mail : metnmc@gmail.com
Web : www.meteo.gov.lk

Bay Of Bengal Sea Areas

The deep depression in the east-central Bay of Bengal has developed in to a Cyclonic storm and now located near 16.0N, 85.8 E and moved further west-northwestwards. The system is located 1050km away from Trincomalee. It is very likely to intensify into a Severe Cyclonic Storm during next 24 hours and very likely to move west-northwestwards next few days.

Very heavy showers/thundershowers and very rough seas, very high winds can be expected in the sea areas within 100 km to 200 km of the above position.

It is requested to refrain naval and fishing activities in this areas.



Flood Update—Department of Irrigation

10-OCT-2018 11:14

P. 01



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රාජ්‍ය මහා
ලේකම් (සාමාන්‍ය)
Director General
011-2584084

දුරකථන
ලේකම්
Fax
011-2505890

ලිපි ලේඛන
ලේකම්
Address
230, P.O. Box 1138, Raudohaleke Mawatha, Colombo 07, Sri Lanka
270, P.O. Box 1138, Raudohaleke Mawatha, Colombo 07, Sri Lanka
230, P.O. Box 1138, Raudohaleke Mawatha, Colombo 07, Sri Lanka

දුරකථන (සාමාන්‍ය)
දුරකථන (සාමාන්‍ය)
Telephone (General)
011-2584162

විද්‍යුත් තැපෑල
විද්‍යුත් තැපෑල
E-mail Address
dgirrigation@gmail.com

වෙබ් අඩවිය
වෙබ් අඩවිය
Web Site
www.irrigation.gov.lk

විද්‍යුත් තැපෑල අංකය
My No.
HY&W/103 (V)

විද්‍යුත් තැපෑල අංකය
Your No.

විද්‍යුත් තැපෑල දිනය
Date
10.10.2018

Director General,

Disaster Management Center

Flood Situation Report by Irrigation Department - As at 9.30 AM – 10.10.2018

Flood situation over the Island is as follows.

| No. | River Basin | Flood Situation | Affected Divisional Secretary Areas |
|-----|-------------|---|--|
| 2 | Gin Ganga | Affected by minor floods. Flood levels of unprotected low line areas which are inundated decreasing gradually. | Baddegama, Bope Poddala, Welivitiya, Divithura, Nagoda, Unanwitiya, Dodangoda, |
| 3 | Kalu Ganga | Affected by minor floods. Flood levels of unprotected low line areas which are inundated slightly decreasing. | Dodangoda, Madurawala, Palindanuwara, Bulathsinhala, Ingiriya, Molkawa, Welgama, Paragoda, Retiyala, Dampardugoda, Karannagoda |

Forecast for flood situation

Flood situation around the Island would gradually become normal within next 24 hours if a considerable rainfall (above 100 mm/day) is not occurred.

Eng. Ms. R.M.M.R. Alawathugoda

Director of Irrigation Eng. R. M. M. R. Alawathugoda
Hydrology Director of Irrigation(Hydrology)
Hydrology Division
Irrigation Department
Colombo 07.

Landslide Watch —National Building Research Organization

| Locations for Potential Risk | | | | |
|---|--|--|---|--|
| නායයුමේ අවදානම පැවතිය හැකි ප්‍රදේශ கனதியான அபாயமுள்ள இடங்கள் | | | | |
| District | Divisional Secretariat Divisions and Locations | | | |
| | Level 1 (Yellow) | Level 2 (Amber) | Level 3 (Red) | Areas and places which need special attention |
| Kalutara | | Horana* Divisional secretariat division and surrounding areas | Walallawita, Bulathsinghala, Agalawatta, Mathugama, Palindanuwara, Ingiriya Divisional secretariat divisions and surrounding areas | <p>All mountainous areas, manmade cut slopes and roads within the relevant DS divisions</p> <p>අදාළ ප්‍රාදේශීය ලේකම් කොට්ඨාශ තුළ පිහිටි කළකර බෑවුම් හා ඒ ආශ්‍රිත ප්‍රදේශ තුළ පිහිටි නිර්මිත</p> |
| Badulla | Bandarawela Divisional secretariat division and surrounding areas | Haldummulla Divisional secretariat division and surrounding areas | | <p>பிரதேச செயலக பிரிவுள்ளான சகல மலைப்பாங்கான பகுதிகள் மற்றும் வெட்டப்பட்ட நிலச் சாய்வுகள்</p> <p>Specially: All the landslide susceptible areas previously identified by NBRO.</p> |
| Kegalle | Dehiowita, Yatiantota, Ruwanwala Divisional secretariat divisions and surrounding areas | | | <p>විශේෂ: ජාතික ගොඩනැගිලි පර්යේෂණ සංවිධානය විසින් නායයුමේ අවදානමක් ඇති ලෙස පූර්වයෙන් හඳුනාගෙන ඇති ප්‍රදේශ</p> <p>விசேடமாக: NBROவில்னால் முன்னர் அடையாளப்படுத்தப்பட்ட மண்சரிவுக்கான ஏதுநிலையுள்ள சகல பிரதேசங்கள்.</p> |
| Galle | | Neluwa, Thawalama, Alpitiya, Niyagama, Nagoda, Yakkalamulla, Baddegama Divisional secretariat divisions and surrounding areas | | <p>විශේෂ: ජාතික ගොඩනැගිලි පර්යේෂණ සංවිධානය විසින් නායයුමේ අවදානමක් ඇති ලෙස පූර්වයෙන් හඳුනාගෙන ඇති ප්‍රදේශ</p> <p>விசேடமாக: NBROவில்னால் முன்னர் அடையாளப்படுத்தப்பட்ட மண்சரிவுக்கான ஏதுநிலையுள்ள சகல பிரதேசங்கள்.</p> |
| Ratnapura | Rathnapura Kalawana Ayagama | | | |

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