

SITUATION SUMMARY

- ♦ **A heavy rainfall was received across several parts of Sri Lanka between 20 and 21 May 2018, caused heavy rains and 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 pre-positioned and boats were kept as ready to launch in the affected districts. 557 military and police officials were mobilized immediately for search and rescue operations while 5,826 military and police personnel have been organized as stand-by teams for immediate deployment.**
- ♦ **84,943 people (18,542 families) have been affected (the Disaster Situation Report, DMC & National Disaster Relief Services Centre (NDRSC) at 1000 hours on 23rd of May 2018). NDRSC has provided 14.7 million cash allocations to the 12 District Secretaries to address the immediate needs of the affected populations.**
- ♦ **As per the immediate rapid impact analysis estimates, 23,000 people need emergency flood relief and early recovery assistance.**
- ♦ **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 20th and 21st May 2018.**

CURRENT SITUATION

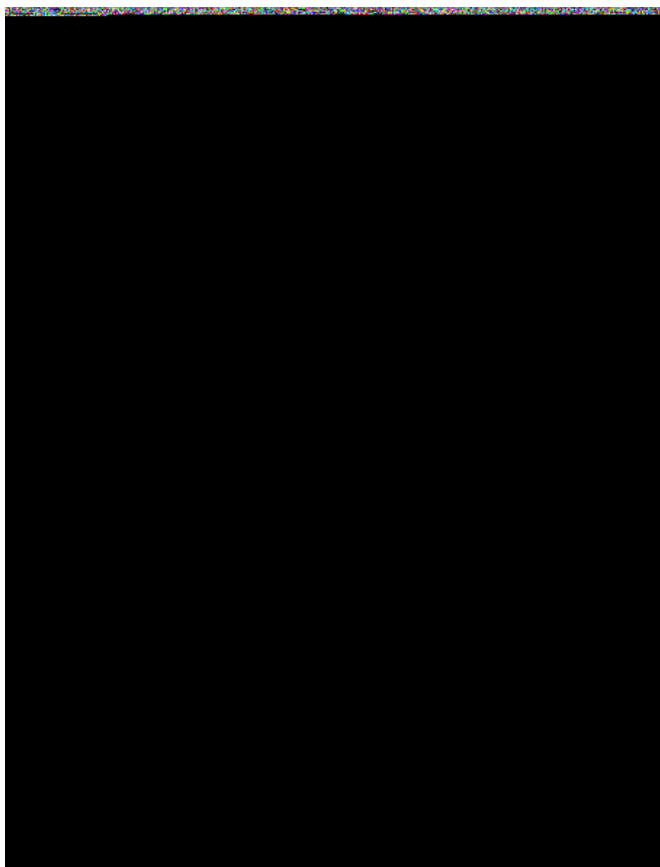
As per the Department of Meteorology, few places in Puttalam district received the highest rainfall received within the 24 hours ending at 0830 hours on 21 May 2018. Rainfall stations in Anamaduwa, Adigama and Kamalsram in Puttalam recorded rains above 300mm while, Anamaduwa received the highest rainfall of 353.8 mm of rain in 24 hours to early 21 May 2018. Moreover, many places received more than 100 mm of rain in 5 hours during 20 May, including Ratnapura which reported 222.5 mm and Eheliyagoda (Sabaragamuwa Province) with 201.5 mm.

Department of Meteorology highlighted last 18—24 hours rainfall observed in main stations ended on morning hours of 23rd May 2018 showing reduction of rainfall in many areas; in Trincomalee 52.6mm, in Batticaloa 43.5mm, in Badulla 29.5mm, Vavuniya 28.5mm. The highest rainfall recorded was around 72.7mm in Oddusudan in Mullative District. However, based on received rainfall since 22nd May 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.

Minister of Disaster Management, Hon Duminda Dissanayake has visited Kalutara area and State Minister of Disaster Management, Hon Palitha Range Bandara has visited Puttalam area together with Ministry and District officials to provide effective relief to affected people. Hon Minister, has left his office to Ratnapura today to observe the affected areas and provide immediate needs.

Dam leak was identified in Pulachchikulam tank in Puttalam District and settled with sand bags. Vijaya Katupotha tank and Waama-Eliya tank has been damaged due to massive rainfall during 21st May. A stability issue has been identified in the Kaduwela main bridge and Kaduwela-Biyagama road is temporarily closed.

FIGURE 01: Heavy rainfall received 24 hours ending at 0830 hours on 21 May 2018

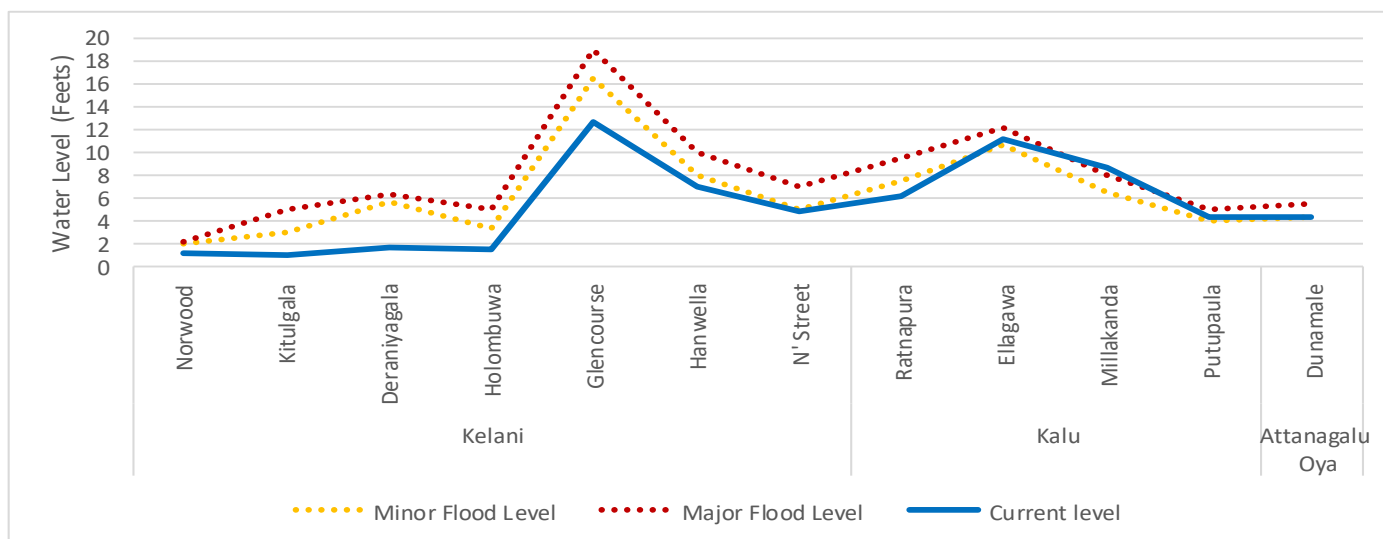


As a result of severe rains, 84,943 people (18,542 families) have been affected (the Disaster Situation Report , National Disaster Relief Services Centre (NDRSC) at 1000 hours on 23rd of May 2018). People at flood risk have been evacuated to safe locations and the total number of welfare centres. Approximately, 7,526 families have been evacuated into 194 welfare centres due to flood and landslide risks. As of now 10 deaths were reported to the Disaster Management Centre.

Department of Irrigation has indicated that several major river levels are decreasing as of 23 May 2018, at 0630 hours which were at flood levels earlier.

However, the recorded rainfall was minimal in the major river catchment areas during past 24 hours ending from 8 30 hours of 22 May 2018. Therefore, the flood levels will fade away gradually.

FIGURE 02: River water level, 0900 hours 23 May 2018

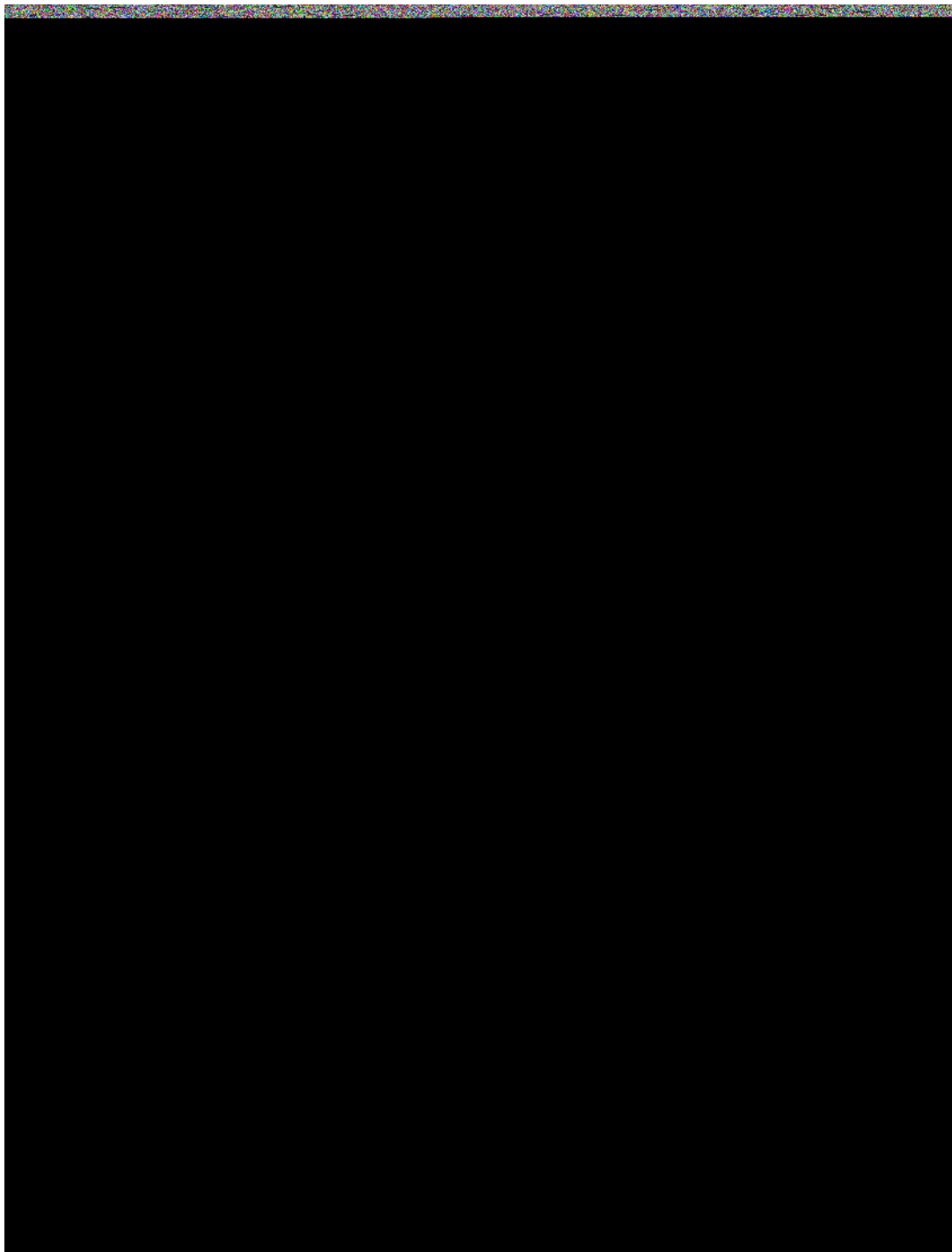


Source: Department of Irrigation

River gauges in Nilwala, Gin, Kalu, Kelani, Attanagalu-Oya, Ma-Oya, Mahaweli showing normal water levels

FLOOD STATUS AND FORECASTED IMPACT

FIGURE 03: Affected Districts and proposed prioritization for response,
22 May 2018 16 00 hours



ESTIMATED PRIORTITY 01 using rapid impact assessment approach



Estimated 23, 470 People Severely affected and needs
emergency assistance



♦ Estimated Number of households at high risk— 447 houses

FLOOD RESPONSE AND RESCUE OPERATIONS

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

(Colombo, Matara, Galle, Kalutara, Ratnapura and Kegalle)

Deployed Forces:

SN	Tri Force	Officers	Others	Total
1	Navy	10	158	168
2	Army	23	366	389
3	Air force			
4	Police			
Total		33	524	557

Stand by Forces:

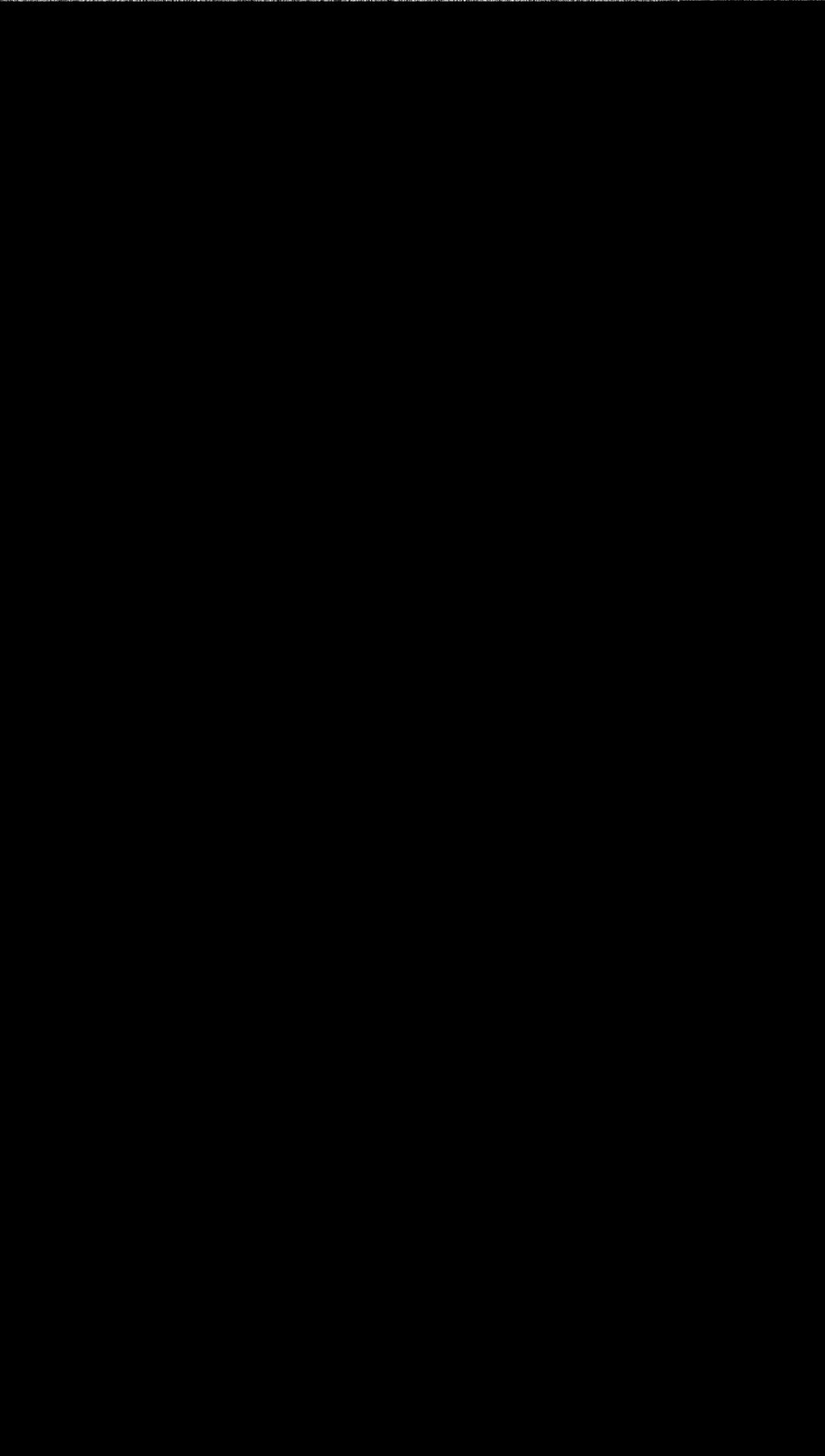
SN	Tri Force	Officers	Others	Total
1	Navy	2	171	173
2	Army	179	5204	5383
3	Air force	9	261	270
4	Police	-	-	
Total		190	5636	5826

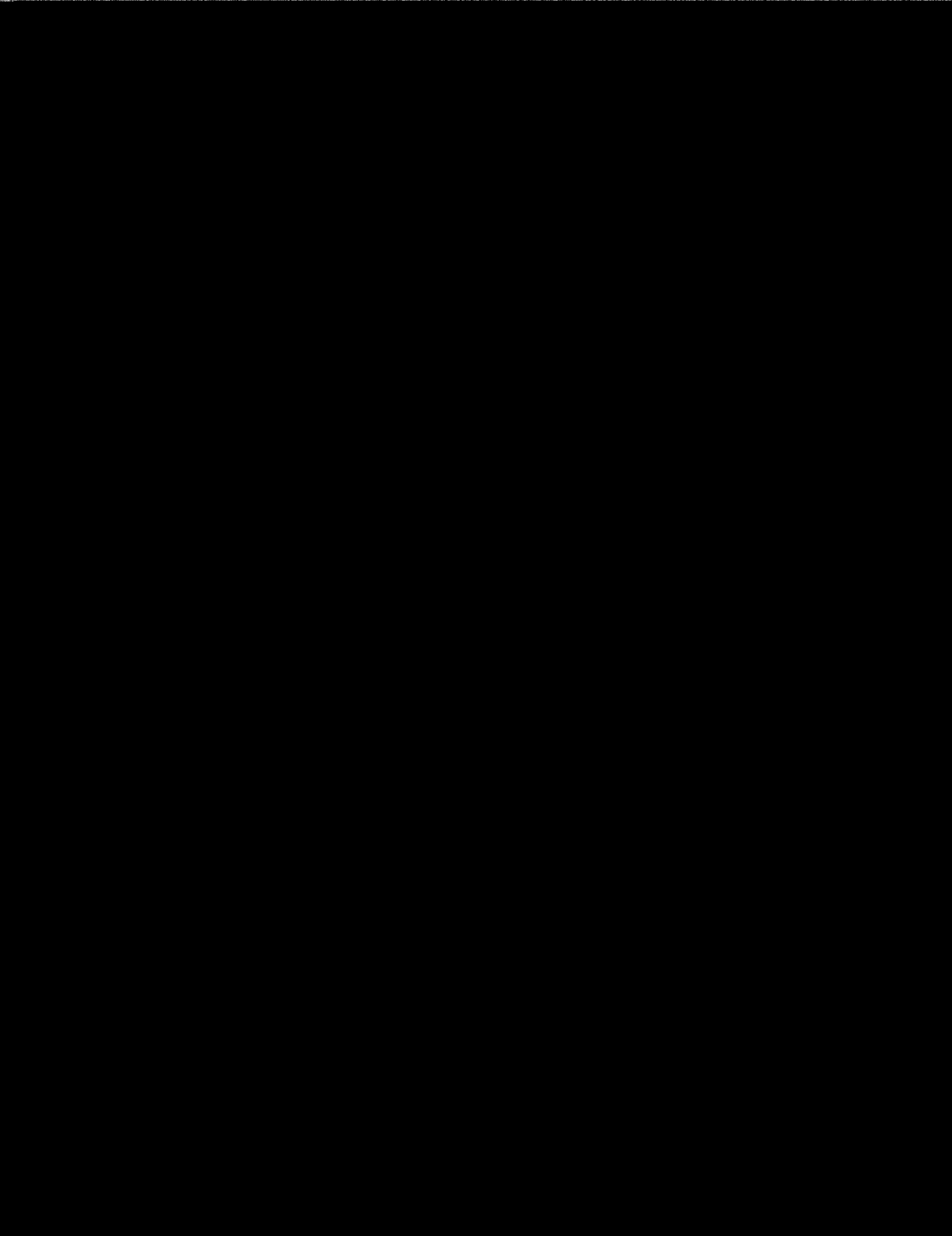
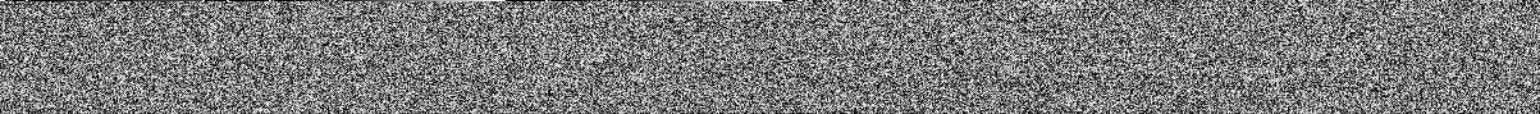
Resources allocation for the Police

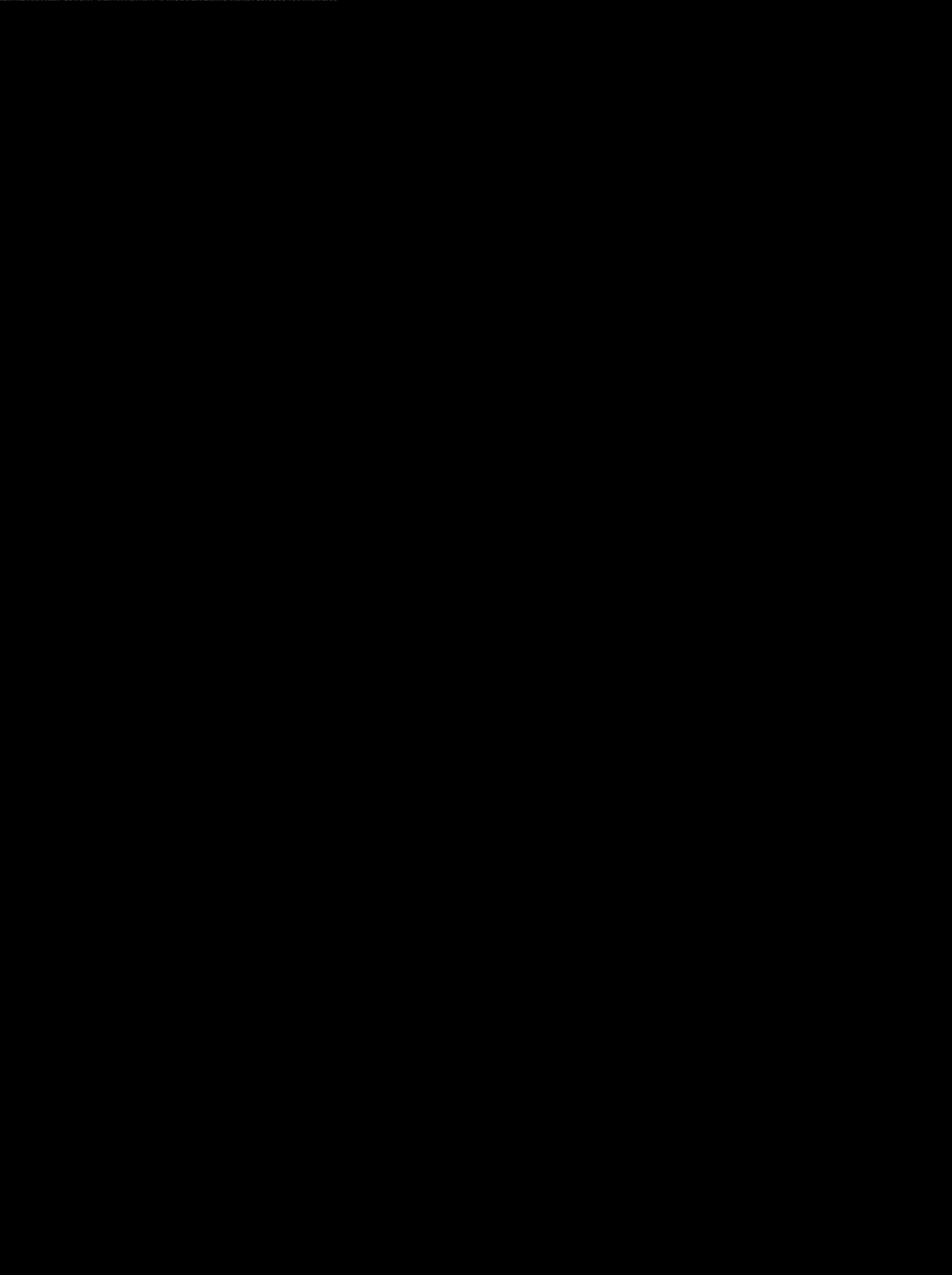
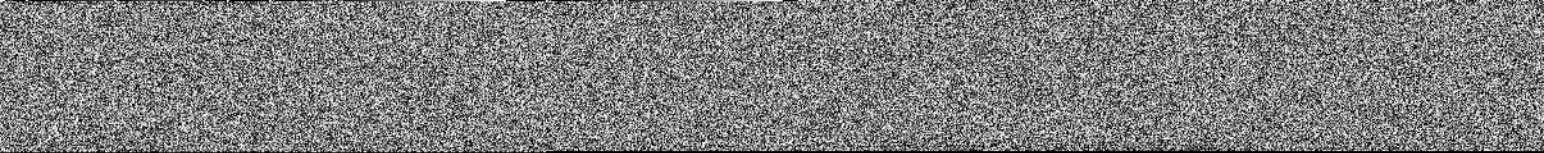
S N	District	Engine Boat	Angul	Engine
1	Ratnapura	10	08	01
2	Kalutara	11	10	01
3	Galle	06	03	
4	Badulla	02	02	
5	Gampaha	05	05	02
6	Matara	03	05	
7	Colombo	13	06	01
8	Kegalle	01	01	
9	Puttlam	02		
10	Hambanthota	01		
11	Kurunegala	05	07	
Total		59	47	05

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







Locations of potential risk

නායයුමේ අවදානම පැවතිය හැකි ප්‍රදේශ

கனதியான அபாயமுள்ள இடங்கள்

Divisional Secretariat Divisions and Locations

District	Level 1 (Yellow)	Level 2 (Amber)	Level 3 (Red)	Areas and places which need special attention
Rathnapura		Ratnapura↓ Elapatha↓ Kuruwita↓ Ehaliyagoda↓ Ayaganma Kahawatta Kalawana Kiriella Kolona Nivitigala Pelmadulla Balangoda Godakawela Imbulpe Opanayaka Weligepola Divisional secretariat divisions and surrounding areas.		All mountainous areas, manmade cut slopes and roads within the relevant DS divisions අදාළ ප්‍රාදේශීය ලේකම් කොට්ඨාශ තුළ පිහිටි කඳුකර බෑවුම් හා ඒ ආශ්‍රිත ප්‍රදේශ තුළ පිහිටි නිර්මිත பிரதேச செயலக பிரிவினாள்ளான சகல மலைப்பாங்கான பகுதிகள் மற்றும் வெட்டப்பட்ட நிலச் சாய்வுகள்
Kegalle	Warakapola Divisional secretariat division and surrounding areas.	Bulathkopitiya↓ Dehiovita↓ Deraniyagala↓ Ruwanwella↓ Aranayaka↓ Galigamuwa Kellgalle Mawanalle Yatiyanthota Rambukana Divisional secretariat divisions and surrounding areas.		<u>Specially:</u> All the landslide susceptible areas previously identified by NBRO. <u>විශේෂ:</u> ජාතික ගොඩනැගිලි පර්යේෂණ සංවිධානය විසින් නායයුමේ අවදානමක් ඇති ලෙස පූර්වයෙන් හඳුනාගෙන ඇති ප්‍රදේශ <u>விசேடமாக:</u> NBROவினால் முன்னர் அடையாளப்படுத்தப்பட்ட மண்சரிவுக்கான ஏதுநிலையுள்ள சகல பிரதேசங்கள்.
Kandy	Thumpane Divisional secretariat division and	Pasbage Korale GangaIhala Korale Udapalatha Doluwa		

	surrounding areas.	Divisional secretariat divisions and surrounding areas.		
Matale	Matale, Rattota, Ukkuwela Divisional secretariat division and surrounding areas.			
Nuwara Eliya		Ambagamuwa↓ Kothmale↓ Nuwara Eliya Divisional secretariat divisions and surrounding areas.		
Badulla	Haldumulla Divisional secretariat division and surrounding areas.			
Kalutara		Palinda Nuwara↓ Agalawatta Bulathsinhala Ingiriya Walalawita Divisional secretariat divisions and surrounding areas.		
Galle		Elpitiya↓ Galle Four Gravest↓ Nagoda↓ Neluwa↓ Thawalama↓ Divisional secretariat division and surrounding areas.		

Kurunagala	Ibbagamuwa Malwalapitiya Mawathegama Rideegama Divisional secretariat divisions and surrounding areas.			
Colombo	Seethawaka Divisional secretariat division and surrounding areas.			
Note: ↑shifted one level up, ↑↑shifted two levels up, ↓shifted one level down, ↓↓shifted two levels down.				

විශේෂ සටහන: කරුණාකර මෙම නායයෑම් පිළිබඳ පූර්ව අනතුරු හැඟවීම් කාලසීමාව තුළ පහත කරුණු වෙත ඔබේ අවධානය යොමු කරන්න.

1. පහත දැක්වෙන නායයෑම් පූර්ව ලක්ෂණ පිළිබඳ සැලකිලිමත් වන්න.

- පොළවේ ඇති වන ඉරි නැලීම්, ගැඹුරට හැරුණු පැළුම් හා පොළවේ ගිලා බැසීම්
- ක්‍රමයෙන් ඇලවී යන ගස්, විදුලි කණු, වැටවල් හා දුරකථන කුළුණු ආදිය
- ගොඩනැගිලිවල ගෙබිම හා බිත්තිමත ඇතිවන පිපුරුම් හා ඒවායේ ක්‍රමික වර්ධනය වීම
- එක්වර ජල උල්පත් ඇතිවීම හෝ පෙර පැවති ජල උල්පත් බොරවීම, අවහිරවීම හෝ නැතිවීම

2. එවන් නායයාමක පූර්ව ලක්ෂණ දක්නට ලැබෙන ප්‍රදේශ වලින් හැකි ඉක්මනින් ඉවත් වන්න.

3. ඊට අමතරව අනතුරට භාජනය වියහැකි යැයි අනුමාන කරන ප්‍රදේශ වල ජීවත් වන පුද්ගලයින් වැඩි වශයෙන් පරීක්ෂාකාරී වියයුතු අතර දැඩි වර්ෂා තත්වය නවදුරටත් පැවතුනහොත් පුරක්ෂිත ස්ථානයක් කරා ක්ෂණිකව ඉවත්ව යාමට සූදානම්ව සිටිය යුතුය.

සැ.යු: ජාතික ගොඩනැගිලි පර්යේෂණ සංවිධානයෙන් සහ ආපදා කළමනාකරණ මධ්‍යස්ථානයෙන් ලැබෙන වැඩිදුර උපදෙස් අනුගමනය කරන්න.

Special Note: During this Landslide Early Warning period, please pay attention to the following:

1. Pay your attention to the following pre landslide signs,

- Development of cracks on the ground, deepened cracks and ground subsidence
- Slanting of trees, electrical posts, fences and telephone posts
- Cracks in the floors and walls of buildings which are built at slopes
- Sudden appearance of springs, emerging muddy water, blockage or disappearance of existing springs

2. People should move immediately away from the areas where they noticed the above pre-landslide signs.

3. Furthermore, people living in landslide susceptible areas should be extra vigilant and should be ready to move quickly to safe places if heavy rain continues.

Note: Communities are advised to follow the instructions given by National Building Research Organization and Disaster Management Center.

விசேட குறிப்பு: மண்சரிவு முன்னெச்சரிக்கை காலப்பகுதியில் பின்வருவனவற்றில் கவனம் எடுக்கவும்

1. பின்வரும் மண்சரிவு முன் அறிகுறிகளையிட்டு கவனத்தை செலுத்தவும்.

- நிலத்தில் வெடிப்பு உருவாகுதல், ஆழமாகும் வெடிப்புகள் மற்றும் தரை உள்ளிறக்கங்கள்.
- மரங்கள், மின் கம்பங்கள், வேலிகள், மற்றும் தொலைபேசிக் கம்பங்கள் சாய்வடைதல்.
- சாய்வுகளில் அமைந்துள்ள கட்டிடங்களின் தரைமற்றும் சுவர்களில் வெடிப்புகள் உருவாகுதல்.
- நிலத்திலிருந்து திடீரென நீர்நீர்றுகள், சேற்று நீர் தோன்றுதல் மற்றும் தற்போதுள்ள நீர்நீர்றுகள் தடைப்படுதல் அல்லது இல்லாது போகுதல்.

2. மண்சரிவுக்கு முன்னரான அறிகுறிகளை கொண்ட இடங்களிலிருந்து உடனடியாக மக்கள் அப்பால் நகர வேண்டும்.

3. மேலும், பாதிப்பு ஏதுநிலையுள்ள பகுதிகளில் வாழும் மக்கள் மேலதிக விழிப்புடன் இருக்கவேண்டும் என்பதுடன் கடும் மழை தொருமாயின் விரைவாக பாதுகாப்பான இடங்களுக்கு நகர ஆயத்தமாகவும் இருக்கவேண்டும்.

குறிப்பு: தயவுசெய்து தேசிய கட்டிட ஆராய்ச்சி நிறுவனம் மற்றும் அனர்த்த முகாமைத்துவ நிலையம் என்பவற்றின் அறிவுறுத்தல்களை பின்பற்றவும்

<p>Issued by:</p> <div style="text-align: center;">  Duty Officer </div>	<p>Approved by:</p> <div style="text-align: center;">  (For) Director </div>	<p>Date and time issued: 2018/05/22 16.00 hrs.</p>
<p style="text-align: center;">Landslide Research and Risk Management Division National Building Research Organisation</p>		