



## State Wide Field Mock Exercise on Floods and Landslide Response

16-3-2022, 14:00 hrs IST to 16:30 hrs IST

## Table Top Exercise on Flood Response

10-3-2022, 14:30 hrs IST to 17:30 hrs IST

Organised by  
Kerala State Emergency Operations Centre  
Kerala State Disaster Management Authority  
Observatory Hills, Vikas Bhavan P.O  
Thiruvananthapuram – 695033





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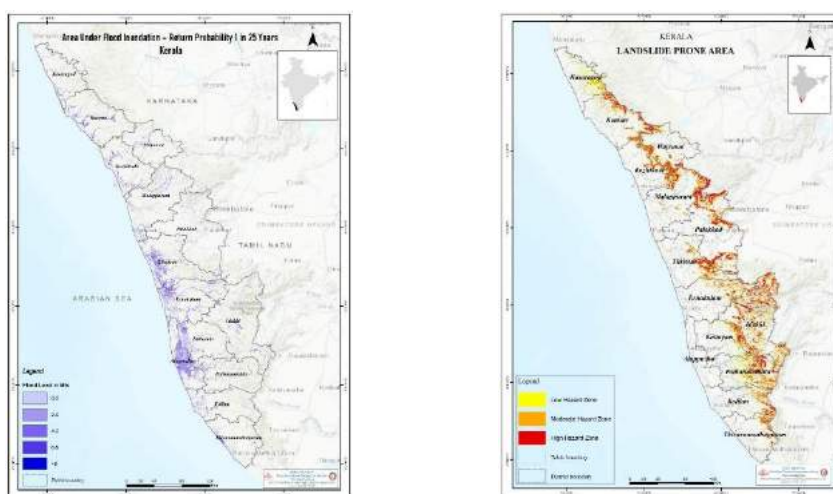


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## Introduction

Kerala is a multi-hazard prone State. Some of the most disastrous natural hazards in the State are landslides and floods. Readiness of the State to swiftly respond to such events are essential for achieving SENDAI framework targets. The State published Disaster Management Plans in Districts and State in 2016 that contains a static part and a dynamic part. The dynamic part of the plan deals with Standard Operating Procedures updated based on lessons learned from the past, emergency contacts, minimum relief codes, norms of relief assistance and annually updated monsoon forecast, and are collectively called Orange Books.



The United Nations Environment Programme in collaboration with CIMA Foundation, Italy and KSDMA conducted detailed flood return probability modelling of the State covering 1 in 10-year return probability to 1 in 500-year return probability, in 2020. Flood return probabilities in a climate change scenario of RCP 8.5 was also carried out as part of the project. A detailed landslide susceptibility mapping was carried out in 2010 by Centre for Earth Science Studies (CESS) and this map enabled KSDMA to prescribe several mitigation steps including policy interventions. These maps may be seen here <https://bit.ly/3N75upl>. These maps also provide inputs for mitigation planning, preparedness, early warning and response planning.

Kerala State Disaster Management Authority updated and published Orange Books which together forms the Standard Operating Procedures to be followed in the State to prepare and respond to various Disaster events, including floods and landslides. The Orange Book 2, was for the first time prepared in 2019 as part of the Rebuild Kerala Development Programme and updated every year, while Orange Book 1 is updated when major changes are required owing to new lessons. The Orange Book 1 was also updated in 2020.

The State has implemented Incident Response System (IRS) upto Taluk Level and Incident Response Teams (IRTs) are formed upto Taluk Level (Details can be found here <https://bit.ly/3tncSVX>). The



IRTs are reconstituted every year to ensure currency and training is imparted to the functionaries every year. A handbook in Malayalam on the roles and responsibilities of IRT members was published by KSDMA (<https://bit.ly/3CY7ege>).



<https://bit.ly/3JnW0nC>



<https://bit.ly/3KSRgXm>

In order to test the improvements achieved through the revised protocols for emergency response through the Orange Books and the implementation of IRS, the KSDMA conducted a comprehensive mock drill which included a Table Top Exercise (TTEx) and a Field Exercise (FEx). The TTEx which was conducted on 10-3-2022 was inaugurated by Hon'ble Minister for Revenue who is interalia Vice Chairman, KSDMA. The TTEx was conducted under the supervision of Mr. Rajendra Singh, PTM, TM, Former Director General, Indian Coast Guard and currently Member, National Disaster Management Authority. The TTEx involved IRT members from the State, District and Taluk level. In the TTEx. As a follow-up of the TTEx, the State decided to conduct an FEx. The FEx, in addition to the IRT members included the Local Governments, Kerala State Electricity Board, Irrigation Department, Civil Defense, Samoochika Sannadha Sena (Directorate of Voluntarism), Emergency Response Teams of Local Governments, Indian Army and National Disaster Response Force.

State Level Incident Response Team (Orange Book 2, 2021)		
Sl. No	IRS Designation	Officer
1	Responsible Officer (RO)	Chief Executive Officer of SDMA (Chief Secretary)
2	Incident Commander (IC)	State Relief Commissioner (Secretary, Disaster Management)
3	Alternate Incident Commander (AIC)	One of the members of the State Executive Committee
4	Deputy Incident Commander (DIC)	Commissioner, Disaster Management or Commissioner, Land Revenue
5	Operations Section Chief (OSC)	Assistant Commissioner of Police nominated by State Police Chief
6	Logistics Section Chief (LSC)	Regional Transport Officers nominated by Transport Commissioner



7	Planning Section Chief (PSC)	Motor Transport Officer nominated by Director General, Fire & Rescue Services
8	Liaison Officer (LO)	Member Secretart, KSDMA or Chief Manager, KSDMA
9	Safety Officer (SO)	Assistant Director/Associate Professor or equivalent nominated by Health Department
10	Media Officer (MO)	Information Officer nominated by Director, I & PRD
11	Information Officer (IO)	Hazard and Risk Analyst, SEOC or Hazard Analyst

District Level Incident Response Team		
1	Responsible Officer (RO)	Chairperson, DDMA (District Collector)
2	Incident Commander (IC)	Chief Executive Officer, DDMA (Deputy Collector, DM/General)
3	Deputy Incident Commander (DIC)	Assistant Development Commissioner (General) or District Planning Officer
4	Operations Section Chief (OSC)	A Dy. SP nominated by District Police Chief
5	Logistics Section Chief (LSC)	Regional Transport Officer nominated by RO
6	Planning Section Chief (PSC)	Assistant Divisional Fire Officer nominated by District Fire Officer
7	Safety Officer (SO)	A Medical Officer nominated by District Medical Officer
8	Media Officer (MO)	Information Officer (I & PRD) nominated by District Information Officer
9	Liaison Officer (LO)	Junior Superintendent, Natural Calamity
10	Information Officer (IO)	Hazard Analyst, DEOC
Taluk Level Incident Response Team		
1	Responsible Officer (RO)	Deputy Collector or equivalent nominated by Chairperson, DDMA
2	Incident Commander (IC)	Tahasildar of the Taluk
3	Deputy Incident Commander (DIC)	Block Development Officer nominated by Assistant Development Commissioner
4	Operations Section Chief (OSC)	A Circle Inspector of Police nominated by District Police Chief
5	Logistics Section Chief (LSC)	Motor Vehicles Inspector nominated by Regional Transport Officer
6	Planning Section Chief (PSC)	Station Officer, Fire and Rescue Services nominated by District Fire Officer
7	Safety Officer (SO)	A Medical Officer nominated by District Medical Officer
8	Media Officer (MO)	Information Officer nominated by District Information Officer (I & PRD)
9	Liaison Officer (LO)	A suitable Village Officer equivalent from the Taluk Office nominated by Tahasildar
10	Information Officer (IO)	A suitable Village Officer equivalent from the Taluk Office nominated by Tahasildar



## Objectives of TTEx and FEx

Examine the readiness of:

1. Communication systems
2. Response mechanisms
3. Coordination
4. Resource Utilization

## Communication Systems Tested



**DEOC Email**



**DEOC WhatsApp  
Group of KSDMA**



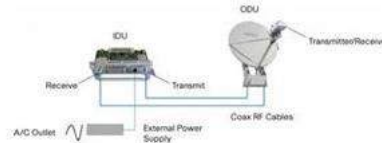
**Hotlines from SEOC  
to DEOCs**



**Satellite Phones of  
DEOCs**



**Mobile Phones of  
DEOCs**



**NDMS**

**1079 1070**

**1077**

**Toll Free**

## Response Mechanisms

The response from the following entities were tested during the FEx



**Kottayam**



**Local Government  
ERTs**





## Resource Utilization

To examine if the State, District and Taluk EOCs are able to utilize the following available resources

1. [Hazard Maps](#)
2. [Orange Book 2 – Monsoon preparedness](#)
3. [Infrastructure inventory](#)
4. [India Disaster Resource Network](#)
5. [National Database for Emergency Management](#)
6. [Orange Book 1 - Emergency Support Functions Plan](#)

## Table Top Exercise

The Table Top Exercise held on 10<sup>th</sup> March 2022 was led by Brig. B.S Thakker (Rtd), Consultant (ME & IRS), NDMA. The State Relief Commissioner, Commissioner, Disaster Management, Member Secretary, KSDMA, Deputy Director General, Department of Telecommunications, representatives of Irrigation, IMD, KSEB, NDRF, IRT members of all 14 DDMA's and IRT members of all 78 Taluks attended. Awareness and orientation presentations were done by NDMA, NDRF, IMD, CWC, KSEOC and Civil Defense. After these presentations, in total 10 scenarios regarding roles and responsibilities of various IRT members were simulated. Responses were sought from IRT members of Taluks, Districts and States and ideal response time and answers were evaluated. A debriefing was also conducted in State EOC after the Mock Exercise based on which all Districts were directed to conduct trainings for the Incident Response Teams (IRTs) within two weeks to further reduce adhoc response to disasters. Prompt answers were given to the questions by Hazard Analysts from Districts and State EOC. Specific questions were answered by few Chief Executive Officers of DDMA's and IRT members from Health Department.



## Debriefing report - TTEx

A debriefing was held immediately after the conclusion of the TTEx in KSDMA. The suggestions and observations were:

1. The IRT members in District and Taluk level needs to be retrained regarding their IRS roles



2. Advance IRS training for trainers shall be organized at KSDMA for those who have completed Basic & Intermediate IRS training with the involvement of Col.Vishwas Narhar Supanekar (Retd.), Associate Professor, Yashwantrao Chavan Academy of Development Administration (YASHADA), Government of Maharashtra
3. A basic and intermediate IRS training shall be imparted to the technical staff of SEOC, DEOCs and LSG DM Plan Coordinators at KSDMA
4. Participation of CEOs of DDMAAs and IRT members shall be made compulsory in such TTEEx

## Scenarios for Field Exercise

The scenarios used were different in different districts depending on its floods or landslide vulnerability. The respective DDMAAs were directed to identify one Panchayath where they wanted to conduct the mock drill, based on the Flood and Landslide Susceptibility Maps. The scenarios were as follows:

**Thiruvananthapuram, Kollam, Pathanamthitta, Alappuzha, Ernakulam, Thrissur, Malappuram, Kozhikode, Kannur & Kasargode**

- Heavy rainfall is continuing for two days. Orange Alert is declared for the day. Intense rainfall starts at 2 pm
- Flooding (Riverine or Coastal) begins at 3 pm
- The flood waters are fast rising in a low lying Panchayath
- The peak flood wave arrives at 4 pm
- Evacuation of vulnerable as listed in the Orange Book 2021 (Page 73-74) has to be completed before 3.30 pm

**Kottayam, Idukki, Palakkad & Wayanad**

- Heavy rainfall is continuing for two days. Orange Alert is declared for the day. Intense rainfall starts at 2 pm
- Flood waters are fast rising in streams which is an indication of possible landslides, upstream
- 24 hr cumulative rainfall measures >8 cm at 3 pm in the Panchayath
- A landslide is impending in a Panchayath at 4 pm when the 24 hr rainfall exceeds 10 cm
- Evacuation of vulnerable as listed in the Orange Book 2021 (Page 73-74) has to be completed before 3.30 pm

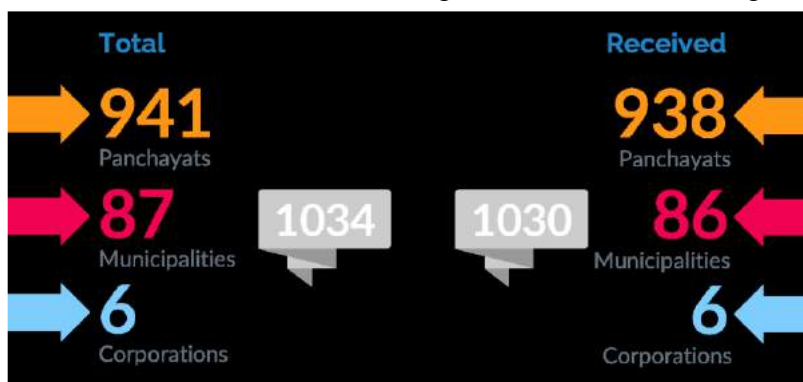
The panchayaths selected were:



Mock drill - 2022 - Selected Panchayth				
Sl.No.	District	Taluk	LSGs	Type of event
1	Trivandrum	Neyyattinkara	Neyyattinkara Municipality	Flood
2	Kollam	Kunnathur	West Kallada GP	Flood
3	PTA	Adoor	Pandalam Municipality	Flood
4	ALPY	Chenganoor	Thiruvandoor GP	Flood
5	KTM	Kanjirappali	Erumeli GP	Landslide
6	IDK	Idukki	Vazhathope GP	Landslide
7	EKM	Paravoor	Puthenvelikkara GP	Flood
8	TSR	Chalakkudy	Annamannada GP	Flood
9	PLKD	Chittur	Nenmara GP	Landslide
10	MLPM	Eranad	Keezhuparamba GP	Flood
11	KOZKOD	Kozhikode	Kozhikode Corporation	Flood
12	WYND	Vythiri	Pozhuthana GP	Landslide
13	KANR	Thalasseri	Eranjoli GP	Flood
14	KASGOD	Hosdurg	Cheruvathur GP	Flood

### Resilience building contribution

The disaster management perspectives in Kerala saw a paradigm shift in 2019 through decentralization of disaster management functions. All Local Governments formed Local Government Disaster Management Committees, Emergency Response Teams and Local Government Disaster Management Plans. A concerted effort of Local Government Department, KSDMA and KILA under the Rebuild Kerala Initiative resulted in Local Governments entering formally into disaster management systems of the State. This State Wide Field Mock Exercise is the first mock exercise after such decentralization of disaster management functions at the grass root level.



Further, Kerala is a role model in Disability Inclusive Disaster Risk Reduction programme. Trainings and capacity building was given to PwDs for strengthening their emergency response capabilities. Inclusion is therefore also a moto of KSDMA in building resilience. The field mock exercise also tested the possibility of PwD inclusive response.

### Early Warning – Agencies, Limitations and Alert levels

#### Floods

- Nodal agency: Central Water Commission
- Minimal flood forecasting stations. Rapid response of rivers makes forecasting less useful



- Basin wise or sub-basin wise alerts for the 44 rivers is not available presently
- 38 river water level observation stations with hourly trend indication – Limitation: Rapid response of rivers
- Dam water levels monitored by KSEB and Water Resources Department. Levels published in public domain every day by KSDMA
- Orange and Red alerts default indicate possibilities of flooding
- Continuous Yellow levels of rainfall (actual measured) followed by an orange or red alert may also be considered as potential flood alert
- Kottayam & Pathanamthitta using citizen science model for flood alerts

### Landslides

- Nodal agency: Geological Survey of India
- No proven system
- Simplest method is to use rainfall thresholds
- Rainfall measurements not dense enough for local predictions
- General forecast from IMD and actual measurements of previous day from IMD may be used as a cue
- Mobile Application called Kerala Rain has near real-time (about 15 min to 1 hr delay) data streamed from about 100 Automated Weather Stations
- Districts such as Wayanad and Pathanamthitta effectively using local rain information from plantations and citizen science enthusiasts
- Landslide inducing Rainfall threshold for Kerala (generic): >8 cm in 10 hrs to 48 hrs

### Ongoing efforts for improvement

#### Floods

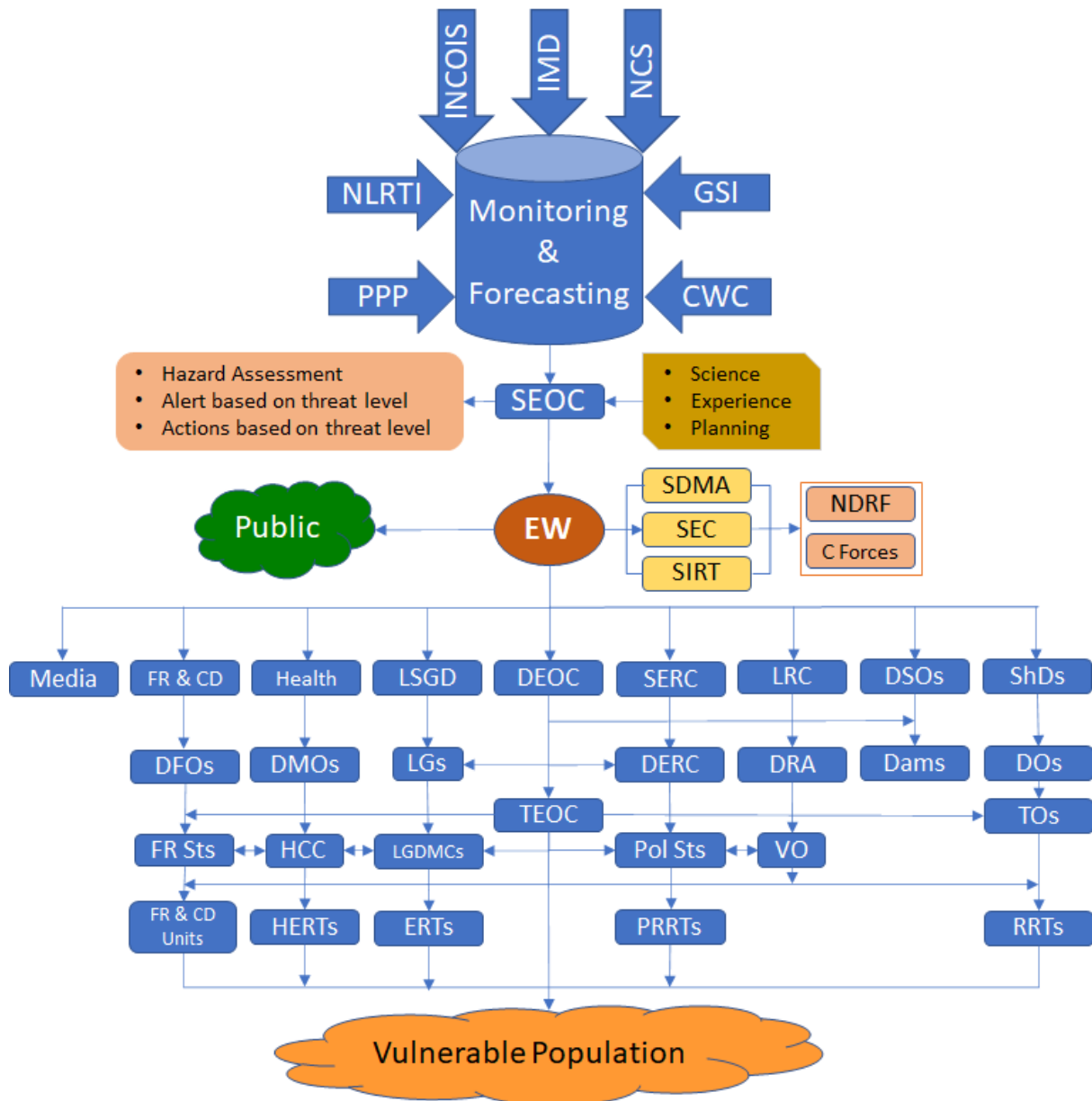
- A Flood Early Warning System under development in Water Resources Department for Periyar & Pamba
- KSDMA attempting to acquire global surface runoff forecast from international forecasters until FEWS is available for all rivers
- KSDMA will financially & technically support Citizen Science Initiatives of monitoring rainfall, floods and landslides based on specific and high-quality proposals
- Flood return probability maps for Local Governments prepared by UNEP & CIMA in collaboration with KSDMA published
- Flood return probabilities in light of Climate Change scenarios are also prepared to empower Local Government Risk Informed planning

#### Landslides



- Projects of GSI, Amrita University, Kerala University, KDISC (Private entities) ongoing
- Research on localized rainfall thresholds ongoing at Kerala University and GSI
- GSI's latest landslide hazard zone map is published in Bhuvan Portal

## Protocol for Emergency Information Flow





- **INCOIS:** Indian National Ocean Information Services
- **IMD:** India Meteorological Department
- **NCS:** National Centre for Seismology
- **GSI:** Geological Survey of India
- **CWC:** Central Water Commission
- **PPP:** Public Private Partnership in monitoring and forecasting
- **NLRTI:** National-level Research and Training Institutes
- **SEOC:** State Emergency Operations Centre
- **EW:** Early Warning
- **SDMA:** State Disaster Management Authority
- **SEC:** State Executive Committee
- **SIRT:** State Incident Response Team
- **NDRF:** National Disaster Response Force
- **C Forces:** Central Forces (Army, Navy, Air Force, Coast Guard, BSF, ITBP, CRPF)
- **FR & CD:** Fire & Rescue and Civil Defence
- **LSGD:** Local Self Government Department
- **DEOC:** District Emergency Operations Centre
- **SERC:** State Emergency Response Centre (Police)
- **LRC:** Land Revenue Commissionerate
- **DSOs:** Dam Safety Organizations
- **ShDs:** Stakeholder Departments
- **DFOs:** District Fire Officers
- **Fr Sts:** Fire Stations
- **DMOs:** District Medical Officers
- **HCC:** Health Care Centres (Hospitals, PHC/CHC)
- **HERT:** Health Emergency Response Teams
- **LGs:** Local Governments
- **LGDMCs:** Local Government Disaster Management Committees
- **ERTs:** Emergency Response Teams
- **TEOC:** Taluk Emergency Operations Centre
- **DERC:** District Emergency Response Centre
- **Pol Sts:** Police Stations
- **PRRTs:** Police Rapid Response Teams
- **DRA:** District Revenue Administration
- **VO:** Village Officer
- **DOs:** District Officers of Stakeholder Departments
- **TOs:** Taluk Officers of Stakeholder Departments
- **RRTs:** Rapid Response Teams of Stakeholder Departments

## Activation of SOP and Emergency Support Functions

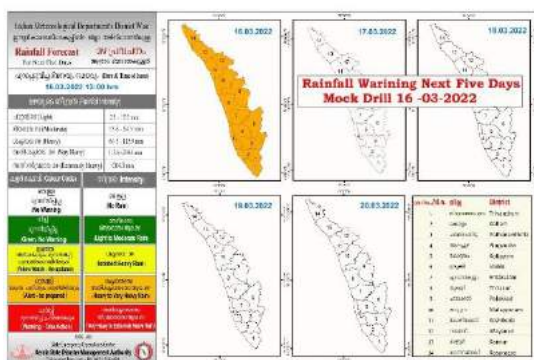
- The mock exercise began at 2 pm and continued till 4.30 pm
- The mock drill at the State Level was led by the State Relief Commissioner (inter alia Additional Chief Secretary, Disaster Management)
- The Deputy Incident Commander posted for the operations was the Commissioner, Disaster Management
- The external observer of the entire exercise was Brig. B.S. Thakker, Consultant (ME & IRS), NDMA.

## Functions of SEOC

- An orange alert was received from the IMD representative in SEOC regarding rainfall
- Considering the fact that the alert is after two days of continuous rainfall in the State, there is a probability of flooding and landslides
- Flood and landslide in all districts are by default L2 events
- The Head, SEOC decided to activate the State EOC for which the State Relief Commissioner was intimated
- The State Relief Commissioner reached SEOC and one Deputy Incident Commander was assigned as desired by the SRC
- The SOP as given in the Orange Book 1 was activated by SEOC



- The SDMA members, SEC members and SIRT were informed
- The State EOC monitored, directed DEOCs and all Central Forces
- The SRC took control of the situation and activated his General Staff (SEOC) to gather necessary data and draw up an Incident Action Plan
- Impact maps were prepared and communicated to the DEOCs
- The Head, SEOC briefed the situation and sought directions as and when inputs were received from the districts
- Situational awareness was maintained regarding weather, river water flows, dam water levels, evacuation, etc.
- One representative of Police, Irrigation, KSEB, Revenue, Health Department and Transport reached SEOC and reported to Head, SEOC immediately on receiving the warning from SEOC
- Checked the critical contact numbers
- Checked the mobile phones of DEOCs (any disconnected)
- Checked the emails sent to DEOCs (any bouncing)
- Checked the hotlines
- Checked the Satellite phone of the SEOC
- Coordinated supply chain for essential response and relief
- Checked the Geodatabase and produce hazard maps with helipads overlaid, of the districts
- Coordinated with F & R, CD, Revenue, LSGD, Police, Transport, Civil Defense & Health
- Monitored and updated the SIRT with updates of S & R and Camps every 15 minutes regarding various districts
- Monitored the functioning of DEOCs
- Monitored and advised SRC on any requirement of deployment of NDRF or C Forces in consultation with the Districts



**Mock Drill 16-03-2022**

**India Meteorological Department's District Rainfall Forecast**  
Issue Date: 16.03.2022, Time: 15:00 hrs.

District	16.03.2022	17.03.2022	18.03.2022	19.03.2022	20.03.2022
Thiruvananthapuram	10-20	10-20	10-20	10-20	10-20
Kollam	10-20	10-20	10-20	10-20	10-20
Palakkad	10-20	10-20	10-20	10-20	10-20
Idukki	10-20	10-20	10-20	10-20	10-20
Wayanad	10-20	10-20	10-20	10-20	10-20
Kannur	10-20	10-20	10-20	10-20	10-20
Kozhikode	10-20	10-20	10-20	10-20	10-20
Malappuram	10-20	10-20	10-20	10-20	10-20
Thrissur	10-20	10-20	10-20	10-20	10-20
Ponnani	10-20	10-20	10-20	10-20	10-20
Alappuzha	10-20	10-20	10-20	10-20	10-20
Kottayam	10-20	10-20	10-20	10-20	10-20
Ernakulam	10-20	10-20	10-20	10-20	10-20

**Intensity Legend**

Intensity	Color
0-10	Light
10-20	Yellow
20-30	Orange
30-40	Red
40-50	Dark Red

**Warning Legend**

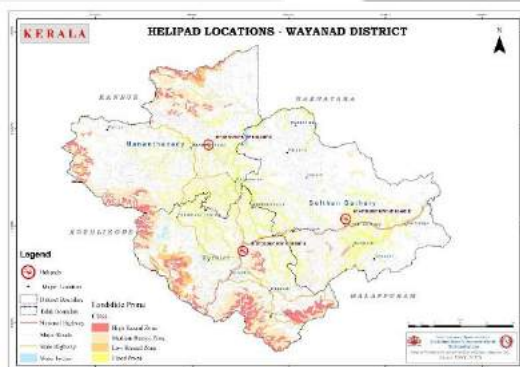
Warning	Color
No Warning (No Action)	White
Watch (Be Prepared)	Yellow
Alert (Be Prepared)	Orange
Warning (Take Action)	Red

**Rainfall Intensity (mm)**

Intensity	Color
0-10	Light
10-20	Yellow
20-30	Orange
30-40	Red
40-50	Dark Red

1:500 - Rainfall Forecast (mm) in 100% of area (mm)





- On receiving the warning and allied instructions from State Emergency Operations Centre, the HoDs immediately instructed one Grade 1 officer to State EOC to report to Head, SEOC
- The deputed officer reported to SEOC with the Annexure II: Form No. ESF-1 and Annexure III: Form No. ESF-2: Rate-contract fixation form, of the Orange Book 1 duly filled and certified.
- The state level officers of the above departments were directed to function as per the ESFP and SOP and as directed by State Emergency Operations Centre
- They were also asked to refer to the Orange Book 1 and Orange Book 2

- The SERC (112) acknowledged the message from SEOC
- The Departmental Control Rooms/Nodal Officers of Revenue, LSGD, Fire & Rescue Services and Health acknowledged the mock drill messages from SEOC
- Monitored the operations of Taluk EOCs
- Monitored the status of fatality, injury, camp operations and building damages and compiled a report on the activities taken by the department and reported to SEOC
- Recorded all outgoing and incoming messages and communicated with SEOC for updated instructions



## Functions of DEOCs

- Advertised the mock drill in the selected Local Government area on 15-3-2022
- Issued press release to all media in the district about the mock drill
- Intimated all departments & institutions in the district about the mock drill
- Intimated all DDMA members about the mock drill
- On receiving the Orange Alert
  - The District Incident Commander (DIC) [Deputy Collector DM/ADM] reached the DEOC to take total control of the situation
  - The DEOC was activated and the Taluk IRTs were directed to activate Taluk EOC of the chosen panchayath
  - The DIC informed the District RO and took instructions from RO as per need
  - All members of DIRT (District Incident Response System; page 76 of Orange Book 2) were directed to reach the DEOC and a Crisis Management Committee meeting was convened to evaluate the threatening disaster situation
  - Officers of Irrigation and KSEB reported to DEOC as per the Orange Book 2
  - DEOC accessed the hazard proneness map of the selected Panchayath
  - All instructions as received from SEOC were transmitted to the participating departments in the mock drill (Police, Fire & Rescue Services, Revenue, LSGD, Health Department, Transport, Irrigation, KSEB and Civil Defense)
  - An incident action plan was drawn
  - 25% beds of the hospitals (public and private) in the affected Taluk was immediately reserved for the injured from the event & this information was passed to the on-site health emergency response team (HERT)
  - Managed the district relief supply centre
  - Checked the critical contact numbers
  - Checked the mobile phones of TEOCs
  - Checked the emails sent from SEOC
  - Checked the hotline calls from SEOC
  - Checked the Satellite phone of the district
  - Coordinated with F & R, CD, Revenue, LSGD, Police, Transport, Civil Defense & Health
  - Monitored and updated the SIRT and DIRT with updates of S & R and Camps
  - Monitored the functioning of TEOC
  - Monitored and advised District RO on any requirement of deployment of NDRF or C Forces in consultation with the onsite incident commander



### Functions of TEOCs

- The Tahsildar started the operations of a Taluk EOC (TEOC)
- The TEOC activated the TIRT (Taluk Incident Response Team; page 77 of Orange Book 2)
- Taluk EOC monitored the
  - loss of life
  - organize food and provisions for operating camps from Food & Civil Supplies and other Governmental Sources
  - Managed the Taluk Relief Supply Centre
- Ensured passing of information to Fire Station, Health Care Centre(s), LSGDM Committee (President & Secretary), Police Station and Village Officer
- Ensured that FR & CD Units, HERT, ERTs, PRRTs, RRTs reached the site and report to the DEOC
- Checked the critical contact numbers
- Checked the emails sent from DEOC
- Coordinated with F & R, CD, Revenue, LSGD, Police, Transport, Civil Defense & Health
- Monitored and updated the DIRT & TIRT with updates of S & R and Camps
- Monitored the functioning of Onsite Command Post
- Monitored and advised Taluk IRT on any requirement of deployment of NDRF or C Forces in consultation with the onsite incident commander

### Functions of Local Governments

The LSG DM Committee met and did the needful for the following:

- Deployed the LSG Emergency Response Teams
- Assigned one member of the LSG DM Committee to be onsite
- Facilitated the onsite responding units with necessary equipment, refreshment to the responding agencies, facilitated local equipment, control of local public and carried out evacuation of vulnerable population using LSG ERTs, Civil Defense and Police
- Started camp in suitable locations in consultation with the Village Officers and ensured adequate facilities such as water, lighting, toilets, safety etc.
- Conducted damage assessment of houses in consultation Revenue and infrastructure losses in consultation with LSG Engineering Department and PWD and reported to the TEOC collaboratively with the LSG
- Ensured free and fair supply of relief

### Functions of Revenue

The Village Officer, on direction from the Taluk EOC:



- Proceeded to the site where evacuation was carried out
- In collaboration with the LSG facilitated the onsite responding units with necessary equipment, vehicles and refreshment to the responding agencies
- Started camp in a suitable site in consultation with the Panchayath Secretary and ensured adequate facilities such as water, lighting, toilets, safety etc.
- Conducted damage assessment of houses in consultation LSG and infrastructure losses in consultation with LSG Engineering Department and PWD and reported to the TEOC collaboratively with LSG
- Quantified fatality and injuries and facilitated treatment in the identified hospital
- Facilitated seamless supply chain of relief materials to camps and sites in collaboration with Transport department

#### Onsite deployment

- The senior most uniformed officer on site was the Onsite Incident Commander
- An incident action plan was drawn in consultation with the responding agencies
- The deployment on site was limited to Police, Fire & Rescue Services, Revenue, LSGD, Civil Defense and Health
- The Onsite Incident Commander reported frequently to the TEOC and updated TEOC regarding the actions taken

#### Functions of Local Police on site

- On receiving the evacuation direction from DEOC, the local police immediately reached the site and regulated one-way traffic to & from the site through two separate access roads identified
- Police ensured that vehicles of Revenue, Health, Fire & Rescue and Civil Defense reached the sites through the selected onward route to the site of mock drill without hindrance
- Facilitated Boat Operations
- Lead crowd management

#### Functions of Fire and Rescue onsite

- On receiving the evacuation alert from DEOC immediately did the needful to reach the selected site through the selected onward one-way for search and rescue operations
- The Fire Officer deployed reported to the on-site incident commander
- As flood waters have started rising, evacuation from a water body was simulated in districts where flood was the scenario



- Field deployment of Civil Defense and Aapda Mitra (Aapda Mitra is presently only in Kottayam) was ensured

#### Functions of Health Department

- On receiving the evacuation alert from DEOC/TEOC, one emergency medical team immediately proceeded to the identified site through the selected onward one-way
- Selected camp was visited and preliminary screening for Covid19 may be carried out
- Hospitals and availability of beds were ascertained from the DEOC/TEOC and cases based on medical priority may be sent to the hospitals with the desired treatment facility
- The onsite HERT Medical Officer concerned reported to the on-site incident commander

#### Functions of Information & Public Relations Department

- Information and Public Relations Department of the respective district did the needful for meticulous documentation of the mock drill
- An information officer immediately proceeded to the mock drill site
- He/she took statements about the emergency operations every 30 minutes from the on-site incident commander and reported to the media regarding field operations every 30 minutes

#### Functions of Transport Department

Transport Department facilitated necessary vehicles for:

- Evacuation from the site to the camps or safe locations identified by Taluk Incident Commander
- Facilitated onsite incident commander with on-road heavy equipment that's not readily available for ensuring evacuation from the site
- Facilitated onsite incident commander with on-road heavy equipment for any S & R
- Facilitated large capacity passenger vehicles for evacuation
- Arranged ambulances if necessary and as demanded by on site incident commander
- Facilitated vehicles for relief supply pick up from warehouses to camp location
- Facilitated vehicles for pick up and drop of evacuated individuals from Boat landing sites
- Facilitated vehicles for pick up and drop of relief materials
- Facilitated the supply of drinking water to the camps from KWA sites
- Monitored the operations of these vehicles

#### Functions of Civil Defence

- Supported the Fire and Rescue Service in smoothly conducting any S & R
- Supported Police in crowd control
- Supported LSG ERTs in camp operations and evacuation



- Managed godowns and relief supply centres
- Supported the DEOC and/or TEOC in back-office work
- Facilitated Boat Operations

## Glimpses of FEx





## Important points given as guidance notes to Districts

- At an L2 Disaster Site, the senior most officer of the uniformed forces (central or state) will be the on-site incident commander
- The mock exercise should essentially include a minimum of 50 local participants from the site
- On-site incident commander will make all emergency decisions
- On-site incident commander shall have the delegated powers under Section 34 of the DM Act, 2005 in the respective area of operation
- The incident commander shall report to the DEOC/TEOC every 30 minutes and take orders from the DEOC/TEOC
- The DEOC shall in every 15 minutes, update the State EOC regarding the status of activities and take order from the SEOC
- The Head of SEOC shall authenticate all outgoing messages from SEOC
- The CEO of DDMA shall authenticate all outgoing messages from DEOC
- Ensure that all messages related to the Flood/Landslide Mock Drill on 16<sup>th</sup> March 2022 from SEOC/DEOC/TEOC or other control rooms goes in the following format “Test, test, test...Mock Drill 2022...MESSAGE CONTENT...Mock Drill Message End”
- On 15th March 2022 a familiarization meeting will be held from SEOC at 4.30 pm via Video Conference
- DIRT members and TIRT members can ask queries to SEOC to get clarity on the conduct of the mock exercise
- A Grade 1 officer from the District with experience and involvement in the management of 2018 and 2019 Kerala Floods may be appointed as independent observer in DEOC who shall fill the observer’s notes and submit to SEOC
- A Grade 1 officer from the district with experience and involvement in the management of 2018 and 2019 Kerala Floods may be appointed as independent observer to TEOC who shall fill the observer’s notes and submit to DEOC which shall also be submitted to SEOC



## Debriefing Report

After the mock exercise, a debriefing was held in the presence of the State Relief Commissioner. The following points for improvement was derived based on the mock exercise debriefing:

1. The language of the messages passed from the State Level to District Level should be improved so as to reduce confusion.
2. The decisions taken by the rule curve committee need to be disseminated as quickly as possible to the technical staff of SEOC.
3. The present condition of accessibility of dam water levels is not suitable for the general public. As such, KSEB is creating a website in which all the required dam details along with dam water levels will be accessible within one click. They are also preparing a mobile application for easier dissemination of information relating to dam water levels for the public.
4. The Army representative highlighted that only when the state has used all of its resources shall the state call for the help of the Army.
5. Mock drill exercise should be conducted on a quarterly or half-yearly basis.
6. Information and Public Relations and Medical Team reported no challenges faced during the time of the mock drill.
7. Camp details of all districts were obtained except that of Kasargod district.
8. All communication systems except that of V-SAT was working properly
9. CAP did not work properly.
10. Emergency Response Support System (112) worked properly.
11. Some receivers of the hotlines in the call center of KSDMA was not working properly.
12. The official number of Commissioner, Disaster Management was not included in the KSDMA WhatsApp group before the Mock Drill started. Later his personal number was added to the group during the mock drill. This is a lacune.
13. IDRN update is pending in two districts namely Malappuram and Idukki.
14. Line departments do not have access to IDRN. If access is provided to the line departments, the process of updation of IDRN would be much simpler.
15. Fire Force representative was not present in SEOC.
16. Commissioner, Disaster Management suggested that tidal level information may also be disseminated.
17. DDMA Idukki requested for assets to deal with flood while the scenario proposed for the district was landslides. SEOC also did not take note of this when request for assets to deal with floods was received. The Deputy Incident Commander at State level sanctioned the movement of Navy to Idukki.



18. Each district was working on its own during the mock drill scenarios. District level transboundary interaction was lacking.
19. Field deployment of satellite phones was not seen.
20. The new DSS of KSEOC being developed by NCRMP should be made operational

## Attendees in SEOC

### Mock Drill Attendance

Date: 16/03/2022

Sl No	Name	Designation	Department	Contact Number & Email ID	Signature
1	Sathyakumar C	Hazard Analyst (On)	KSEC, KSDM	9744200741 jsathyakumar@gmail.com	
2	Mijin R.S.	Hazard Analyst	KSEOC/KSDMA	9061762170	
3	Aswathy.	MTD	KSEOC		
4	Gokulad	Hazard Analyst (Civil)	KSEOC	9207570141	
5	Dr. ANIL.V	Asst. DHS (PH)	Health Department	9846021483	
6	Sumesh.K.S.	Information Officer (R&R)	Information & Public Relations Dept.	9447517365	
7	Neeraj.R.P.	Clerk (Charge offices)	State Control Rooms, Land Revenue Commissionerate	9633002270	

8.	Reji Chandran	Statistical Assistant Grade I	Rural Development Department	9446431728 reji_chandran@yahoo.com	
9	Sajeev.AH	P.I of Police District S.B. Town Area	Police Department	770527636	
10	Anoopraj.P.S	Sub Divisional Engineer	Central Water Commission	8415855645 anooprajps@gmail.com	
11	Prasanth.S	Constable/CID	NDRF	8921060276 prasanthsezhukane@gmail.com	
12.	Chandini.P.C	Hazard Analyst	KSDMA	8281805424	
13	Fahad Maseed	Hazard Analyst (Civil)	KSEOC	8281931927	
14.	Leelamini.V	Hydrologist	KSDMA	8547409053	
15	Rajeevan.K	Meteorologist	KSDMA	7012547401	
16	Dr. Karunakaran Alai P	Consultant District Manager	KSDMA	9847231604	



17.	J. Manjer	Manager - A	IMO	7293774389	Re.
18	SIBI K.M	Asst. Executive Engineer	Transportation	8921196609	<del>Signature</del>
19	Sanjay K	HRA	KSEOC		Signature
20.	Nedun V. Thomas	HA	KSEOC		Signature
21.	Alfred Johny	HA	KSEOC		Signature
22	Adharv Suresh	Safety Engineer	KSEOC	9496697181	Signature

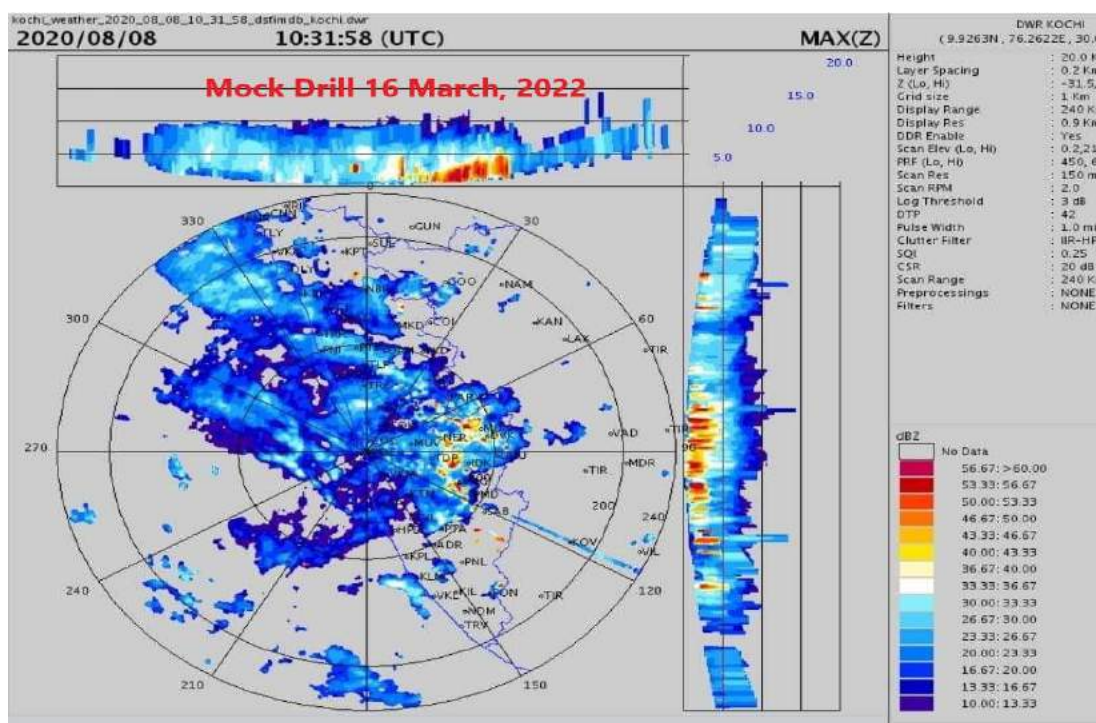
Date: 16/03/2022

Sl No	Name	Designation	Department	Contact Number & Email ID	Signature
1	A. Jayathilak	SRC	Rev. Army		Signature
2	Col Hanikantaram	Deputy Commander	Indian Army		Signature
3	Safes. A.H	Sub Inspector Inv. Regd. B.B	Police	790752763	Signature
4	Nikhil S Paraman	HA	KSEOC	9400447359	Signature



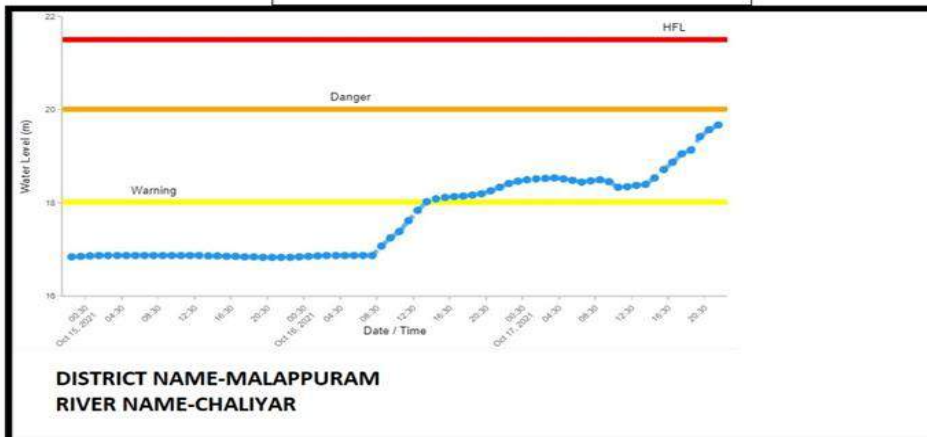
## Scientific inputs issued during mock drill

MOCK DRILL 16TH MARCH 2022													
Sl. No.	Name of Dam / Reservoir	District	Full Reservoir Level (metre)	Gross Storage (Million cubic metre)	Alert Levels			2021					
					Blue	Orange	Red	Today's Water level (metre)	Today's Storage (Million cubic metre)	% Storage respect to Gross Storage	Inflow (m <sup>3</sup> /Sec)	Outflow (m <sup>3</sup> /Sec)	
1	Vazhani	Thrissur	62.48	18.12	60.98	61.48	61.88	61.65	17.70	98%	6.20	6.20	
2	Chulliyar	Palakkad	154.08	13.70	152.50	153.08	153.70	153.73	13.09	96%	1.11	1.77	
3	Chimoni	Thrissur	76.40	151.55	74.90	75.40	75.90	75.61	145.45	96%	15.11	15.11	
4	Peechi	Thrissur	79.25	94.95	78.00	78.30	78.60	78.94	90.76	96%	38.39	38.39	
5	Pothundy	Palakkad	108.20	50.91	106.71	107.21	107.59	107.10	47.43	93%	6.70	13.39	
6	Kallada	Kollam	115.82	504.92	113.74	114.81	115.45	113.88	461.00	91%	148.54	207.68	
7	Neyyar	Thiruvananthapuram	84.75	97.35	83.25	83.75	84.40	84.48	87.98	90%	67.02	88.09	
8	Malampuzha	Palakkad	115.06	226.00	113.00	114.00	114.45	114.24	202.65	90%	56.24	75.64	
9	Meenkara	Palakkad	156.36	11.33	154.90	155.36	156.06	156.00	10.13	89%	0.01	0.01	
10	Mangalam	Palakkad	77.88	25.49	76.00	76.52	77.30	77.14	22.13	87%	4.87	44.74	
11	Siruvani (Inter state waters)	Palakkad	878.50	25.60				876.28	22.19	87%	0.00	0.86	
12	Malankara	Idukki	42.00	37.00	40.70	41.00	41.30	40.68	32.06	87%	162.45	318.01	
13	Kanjirappuzha	Palakkad	97.50	70.83	96.50	97.00	97.40	95.23	58.15	82%	32.73	28.48	
14	Walayar	Palakkad	203.00	18.40	201.50	202.00	202.30	200.72	12.88	70%	0.45	0.00	





### MOCK DRILL 16<sup>TH</sup> MARCH 2022



### MOCK DRILL 16<sup>TH</sup> MARCH 2022-KSEBL DAMS WATER LEVEL STATUS

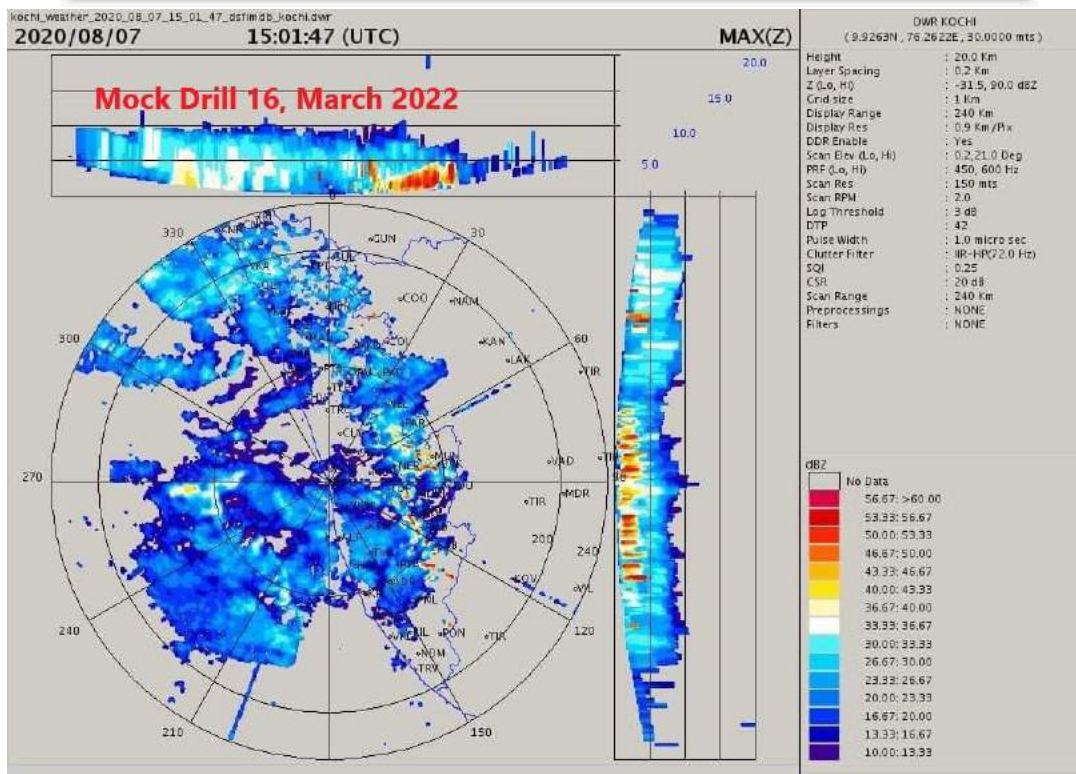
Sl. No.	Name of Dam / Reservoir	District	FRL (metre)	Live Storage at FRL (MCM)	Rule level (metre)	Blue level (metre)	Orange level (metre)	Red alert Level (metre)	Water level (metre)	Live Storage (MCM)	% Storage wrt Live Storage at	Spillway release Cumecs
1	IDUKKI	IDK	2403 ft	1458.49	2398.86	2398.86	2396.86	2397.86	2398.14	1376.447	94.31%	105
2	IDAMALAYAR	EKM	169.00	1017.80	166.80	165.30	165.80	166.30	165.39	913.532	89.76%	125.11
3	KAKKI (ANATHODE)	PTTA	981.46	446.51	978.83	976.83	977.83	978.83	979.53	411.81	92.23%	141.11
4	BANASURASAGAR (K A SCHEME)	WND	775.60	201.00	775.60	774.10	774.60	775.10	773.20	171.75	85.45%	0.00
5	SHOLAYAR	TSS	2663 ft	149.089		2658	2659.5	2661	2662.00	146.230	98.10%	0
6	MADUPETTY	IDK	1399.59	54.77		1396	1397	1398	1397.75	49.42	90.23%	18.98
7	ANAYIRANKAL	IDK	1207.02	49.83		1205.02	1206.02	1207.02	1205.03	41.1469	82.57%	0.00
8	PONMUDI	IDUKKI	707.75	47.4		704.5	705.5	706.5	706.95	45.8883	95.64%	8.09
9	KUTTIYADI (KAKKAYAM)	KKD	758.04	33.98		755.50	756.50	757.50	749.14	14.090	41.47%	0.00
10	PAMBA	PTTA	986.33	31.15		982	983.5	984.5	983.15	24.99	80.22%	17.996
11	PORINGALKUTHU	TSS	423.98	30.3		417	418	419	420.60	21.25	70.13%	NA
12	KUNDALA	IDK	1758.69	7.65		1755	1756	1757	1757.88	6.76	88.37%	0.37
13	KALLARIKUTTY	IDK	456.59	6.43				455	453.90	6.05	93.78%	107.59
14	ERATTAYAR	IDK	754.38	5.29				748.28	747.50	1.1302	21.36%	
15	LOWER PERIYAR	IDK	253	4.53				252.00	253.00	4.53	100.00%	161.02
16	MOOZHAYAR	PTTA	192.63	1.16				190	186.90	0.4560	39.31%	0.8
17	KALLAR	IDK	824.48	0.763				823.5	821.00	0.2219	29.08%	
18	SENGULAM	IDK	847.64	0.39					846.60	0.140	35.90%	0.00



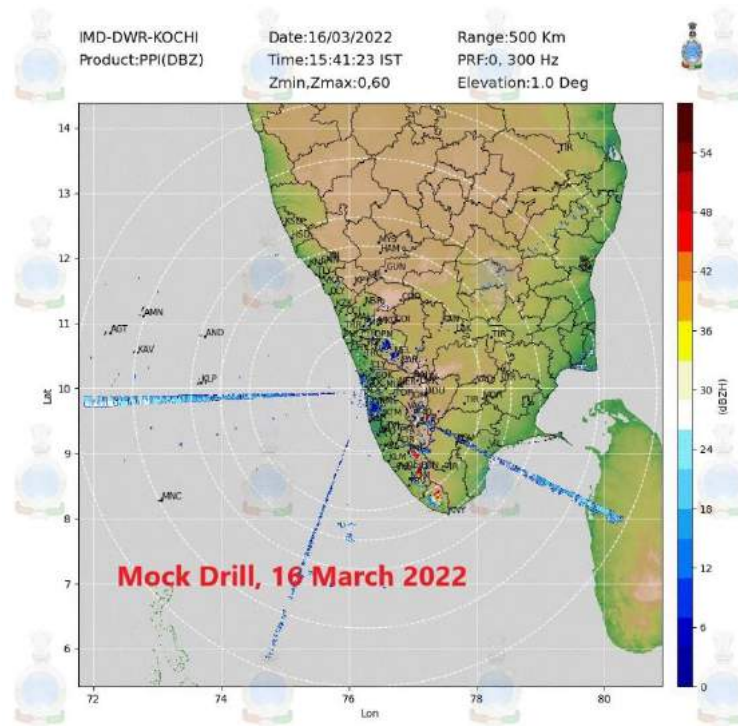




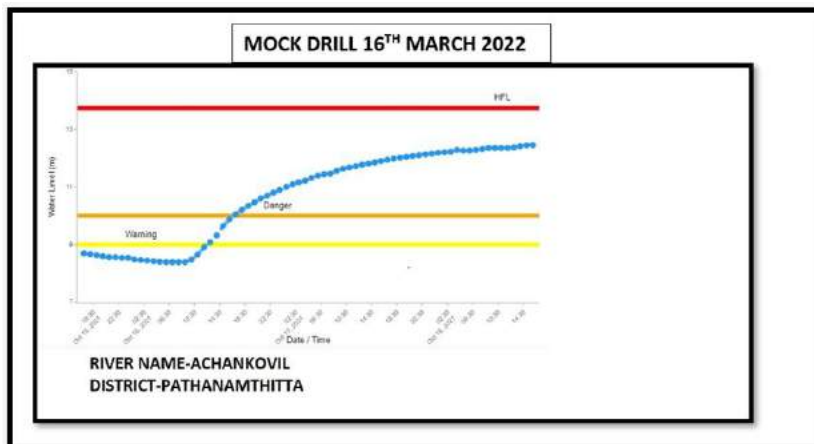
MOCK DRILL 16 <sup>TH</sup> MARCH 2022												
Sl. No.	Name of Dam / Reservoir	Distri ct	FRL (metre )	Live Storage at FRL (MCM)	Rule level (metre )	Blue level (metre)	Orange level (metre)	Red alert Level (metre)	Water level (metre)	Live Storage (MCM)	% Storage wrt Live Storage at FRL	Spillway release Cumecs
1	2	3	4	5	6	7	8	9	10	11	12	13
1	IDUKKI	IDK	2403 ft	1459.49	2399.3	2391.31	2397.31	2398.31	2398.12	1376.116	94.29%	42.78
2	IDAMALAYAR	EKM	169.00	1017.80	167.00	165.50	166.00	166.50	165.41	914.108	89.81%	0.00
3	KAKKI (ANATHODE)	PTTA	981.46	446.51	979.84	977.84	978.84	979.34	979.30	408.000	91.38%	47.50
4	BANASURASAGAR* (K A SCHEME)	WND	775.60	201.00	775.60	774.10	774.60	775.10	773.00	169.35	84.25%	0.00
5	SHOLAYAR	TSR	2663 ft	149.089		2658	2659.5	2661.00	2661.60	145.125	97.34%	0.00
6	MADUFETTY	IDK	1599.59	54.77		1596	1597	1598.00	1597.75	49.420	90.23%	21.67
7	ANAYIRANKAL	IDK	1207.02	49.83		1205.02	1206.02	1207.02	1205.90	44.9714	90.25%	0.00
8	PONMUDI	IDUKKI	707.75	47.4		704.5	705.5	708.5	707.40	46.97	98.25%	24.20
9	KUTTIYADI *(KAKKAYAM)	KKD	758.04	33.98		755.50	756.50	757.50	750.33	16.440	48.38%	NA
10	PAMBA*	PTTA	986.33	31.15		982.00	983.50	984.50	981.80	22.5600	72.42%	0.00
11	PORINGALKUTHU	TSR	423.98	30.30		417.00	418.00	419.00	419.70	19.0000	62.71%	0.00
12	KUNDALA	IDK	1758.69	7.65		1755	1756	1757.00	1758.10	6.97	91.11%	0.46
13	KALLARKUTTY	IDK	456.59	6.43				455.00	456.25	6.25	97.20%	75.00
14	ERATTAYAR	IDK	754.38	5.29				748.28	747.50	1.1302	21.36%	








Sl. No.	River Name	Station Name	Warning Level (m)	Danger Level (m)	Highest Flood Level Level (m)	Date	Present Level (m)	Time	Trend	Rainfall (mm)	Forecast Level (m)	Trend	Forecast Date	Time
<b>Kerala</b>														
1	Chandragiri	POODUKKAM	35.3	37.8			33.1	08:00	Falling	0.0				
2	Inuvethipuzha	THOTTATHINKADAMU	33.8	35.8			22.16	08:00	Falling	6.4				
3	Kudhrappuzha	CHAKKALAMUTH	17.0	18.9	20.315	09/06/2019	12.705	08:00	Falling	8.8				
4	Kadalundi	KARATHOOLU	13.0	13.0	24.7	17/08/2019	4.49	08:00	Rising	1.1				
5	Chelappur	KUNNIL	15.80	13.85	12.34	09/06/2019	2.65	08:00	Rising	0.2				
6	Vilappattanam	PERUMAMMAN	17.2	19.2	19.28	09/06/2019	9.38	08:00	Steady	1.2				
7	Vamanapuram	AYLAM	8.0	8.0	30.485	10/10/1992	2.38	08:00	Falling	4.0				
8	Pulathipada	PULAMANTHOLE	15.6	16.6	20.25	09/06/2019	13.21	08:00	Falling	15.6				
9	Pamba	MALANKARA	6.0	7.0	9.58	16/08/2018	2.4	08:00	Steady	0.0				
10	Marimela	KALLOPPARA	6.0	6.0	9.84	16/08/2018	3.56	08:00	Falling	0.0				
11	Kallada	PATTADY	7.0	8.0	11.805	15/11/1992	3.79	08:00	Falling	0.0				
12	Poyaswari	ERUPUZHA	18.00	18.00	18.89	10/06/2019	16.08	08:00	Falling	3.9				
13	Bharathapuzha	MANAKUR	13.11	13.11	12.13	16/08/2018	48.1	08:00	Steady	6.2				
14	Kalpar	KALAMPUR	13.84	16.84	17.87	16/08/2018	9.56	08:00	Steady					
15	Periyar	VANDIPERiyar	794.2	795.2	797.0	16/08/2018	702.00	08:00	Steady	3.2				
16	Chuludy	ARANGALI	7.3	8.3	10.58	16/08/2018	1.22	08:00	Falling	1.6				
17	Shiya	ADIKASTHALA	97.3	98.3	100.05	16/07/2020	91.72	08:00	Falling					
18	Periyar	NEELSWARAM	6.0	10.0	12.4	19/08/2018	1.1	08:00	Falling	0.0				
19	Meenachi	KIDANGODE	9.18	7.18	8.24	09/06/2019	3.02	08:00	Steady					
20	Bharathapuzha	KUMBH	6.3	9.2	11.27	17/08/2018	5.84	08:00	Falling	20.2				
21	Pamba	Maduram	190.0	181.0	113.0	15/06/2018	97.75	08:00	Rising	0.0				
22	Achankovil	THUMMANON	6.0	10.0	11.785	07/11/1979	7.96	08:00	Falling	4.6				
23	Karamana	VILLAKADAVU	10.0	10.0	17.0		91.42	08:00	Steady	1.6				
24	Kothamangalam	PALLUPADI	15.3	20.8			20.55	08:00	Steady	0.0				
25	Kannadipuzha	PUDUR	15.3	14.5	15.18	16/08/2018	91.2	08:00	Falling					





## WhatsApp correspondence in KSDMA group

**"Test, Test, Test... Mock Drill 2022... Mock Drill Started ...Mock Drill Message End"** 2:15 PM ✓



**Rajeevan Met**

**TEST.. TEST. TEST.. MOCK DRILL 2022**

The low pressure area formed in the southwestern Arabian Sea is gaining strength. The India Meteorological Department (IMD) has issued an Orange Alert for all the districts of Kerala as the rainfall over the last two days is likely to intensify after 2 pm today

**2 PM, 16/03/2022**  
**IMD-KSEOC-KSDMA**

**.MOCK DRILL MESSAGE END**

2:19 PM

**TEST.. TEST. TEST.. MOCK DRILL 2022**

തെക്ക് പടിഞ്ഞാറൻ അറബിക്കടലിൽ രൂപപ്പെട്ട ന്യൂന മർദ്ദം ശക്തി പ്രാപിക്കുന്നു. എല്ലാ ജില്ലകളിലും കഴിഞ്ഞ രണ്ടു ദിവസങ്ങളിൽ ലഭിച്ചു കൊണ്ടിരിക്കുന്ന മഴ ഇന്ന് ഉച്ചക്ക് 2 മണിക്ക് ശേഷം അതിശക്തമാകാൻ സാധ്യതയുള്ളതിനാൽ എല്ലാ ജില്ലകളിലും ഓറഞ്ച് അലർട്ട് പ്രഖ്യാപിച്ചിരിക്കുന്നതായി കേന്ദ്രം കാലാവസ്ഥ വകുപ്പ് അറിയിക്കുന്നു.

**2 pm, 16 മാർച്ച് 2022**  
**IMD - KSEOC - KSDMA**

**MOCK DRILL MESSAGE END**

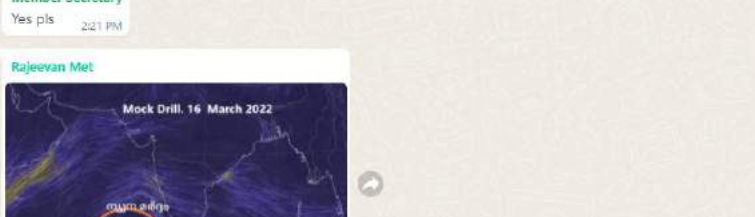
2:20 PM

**@Member Secretary Kindly approve the warning** 2:20 PM ✓

**Member Secretary**

Yes pls 2:21 PM

**Rajeevan Met**



**Mock Drill, 16 March 2022**

**വസ്തുനിഷ്ഠ**

2:21 PM

You added Takkar Sir



SEOC Fahad  
TEST.. TEST... TEST.. MOCK DRILL 2022

IMD യുടെ ഓറഞ്ച് അലർട്ടിന്റെ പശ്ചാത്തലത്തിൽ ജില്ലാ കളക്ടർമാർക്കുള്ള പ്രത്യേക നിർദ്ദേശം

കേന്ദ്ര കാലാവസ്ഥ വകുപ്പ് കേരളത്തിലെ 14 ജില്ലകളിലും ജൂൺ (16-03-2022) അതിശക്തമായ മഴയ്ക്കുള്ള സാധ്യതയും ഓറഞ്ച് അലർട്ടും പ്രഖ്യാപിച്ചിരിക്കുന്നു.

24 മണിക്കൂറിൽ 115.6 mm മുതൽ 204.4 mm വരെ മഴ ലഭിക്കുമെന്നാണ് അതിശക്തമായ മഴ (Very Heavy Rainfall) എന്നത് കൊണ്ട് കാലാവസ്ഥ വകുപ്പ് അർത്ഥമാക്കുന്നത്. കഴിഞ്ഞ 2 ദിവസമായി സംസ്ഥാനത്ത് ശക്തമായ മഴ തുടരുന്ന സാഹചര്യത്തിൽ കാലാവസ്ഥ മുന്നറിയിപ്പിനെ അതിവേഗ ഗതാവിത്തിൽ കൊണ്ടുവരുന്നു.

ശക്തമായ മഴ തുടരുന്നതിനാൽ നഗര പ്രദേശങ്ങളിലും താഴ്ന്ന പ്രദേശങ്ങളിലും വെള്ളക്കെട്ട് രൂപപ്പെടാനും നദികളിൽ വെള്ളപ്പൊക്കത്തിലേക്ക് നയിക്കുവാനും സാധ്യതയുണ്ട്. ഇത് മുന്നിൽ കണ്ടുകൊണ്ടുള്ള മുൻകരുതലുകൾ സ്വീകരിക്കാൻ അധികൃതർക്ക് ആവശ്യമായ തീർ... [Read more](#)

2:23 PM



Member Secretary  
Ok

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SEOC Fahad  
TEST.. TEST... TEST.. MOCK DRILL 2022

റവന്യൂ, പോലീസ്, തദ്ദേശസ്ഥാപന വകുപ്പ്, അഗ്നിരക്ഷാ സേന, ഹിഷെനിസ് വകുപ്പ്, തീരദേശ പോലീസ്, ജലസേചന വകുപ്പ്, വൈദ്യുതി വകുപ്പ് തുടങ്ങിയവർക്കുള്ള പ്രത്യേക നിർദ്ദേശം

കേന്ദ്ര കാലാവസ്ഥ വകുപ്പ് കേരളത്തിലെ 14 ജില്ലകളിലും ജൂൺ (16-03-2022) അതിശക്തമായ മഴയ്ക്കുള്ള സാധ്യതയും ഓറഞ്ച് അലർട്ടും പ്രഖ്യാപിച്ചിരിക്കുന്നു. 24 മണിക്കൂറിൽ 115.6 mm മുതൽ 204.4 mm വരെ മഴ ലഭിക്കുമെന്നാണ് അതിശക്തമായ മഴ (Very Heavy Rainfall) എന്നത് കൊണ്ട് കാലാവസ്ഥ വകുപ്പ് അർത്ഥമാക്കുന്നത്. കഴിഞ്ഞ 2 ദിവസമായി സംസ്ഥാനത്ത് ശക്തമായ മഴ തുടരുന്ന സാഹചര്യത്തിൽ കാലാവസ്ഥ മുന്നറിയിപ്പിനെ അതിവേഗ ഗതാവിത്തിൽ കൊണ്ടുവരുന്നു.

ഓറഞ്ച് അലർട്ട് പ്രഖ്യാപിക്കപ്പെട്ട ജില്ലയിലെ അപകട സാധ്യതയുള്ള മലയോര മേഖലകളിൽ ഉള്ളവരെ ഉടനെ തന്നെ മുൻകരുതലിന്റെ ഭാഗമായി ക്യാമ്പുകളിലേക്ക് മാറ്റേണ്ടതാണ്. വൈകുന്നേരങ്ങളിൽ മഴ ശക്തിപ്പെടുന്ന സാഹചര്യം കണ്ടുവന്നതിനാൽ ഉരുൾപൊട്ടൽ, മണ്ണിടിച്ചിൽ സാധ്യതയുള്ള പ്രദേശങ്ങളിൽ മുൻകരുതലിനായി പകൽ സമയം തന്നെ നിർവ്വേഗപൂർവ്വം ആളുകളെ മാറ്റി താമസിപ്പിക്കേണ്ടതാണ്.

അതിശക്തമായ മഴ ലഭിക്കുന്ന സാഹചര്യം ഉരുൾപൊട്ടൽ, മണ്ണിടിച്ചിൽ, വെള്ളപ്പൊക്കം തുടങ്ങിയ ദുരന്തങ്ങളിലേക്ക്



അതിശക്തമായ മഴ ലഭിക്കുന്ന സാഹചര്യം ഉരുൾപൊട്ടൽ, മണ്ണിടിച്ചിൽ, വെള്ളപ്പൊക്കം തുടങ്ങിയ ദുരന്തങ്ങളിലേക്ക് നയിക്കാൻ സാധ്യത കൂടുതലാണ്. ഇത് മുന്നിൽ കണ്ട് കൊണ്ടുള്ള തയ്യാറെടുപ്പുകൾ നടത്തേണ്ടതും വരും ദിവസങ്ങളിലെ ദാരുണതകൾക്കുവേണ്ടിയും (Weather) കാലാവസ്ഥ മുന്നറിയിപ്പുകളും സൂക്ഷ്മമായി വിലയിരുത്തേണ്ടതുമാണ്.

**അടിയന്തരമായി സ്വീകരിക്കേണ്ട നടപടികൾ**

ജില്ലാ ദുരന്ത നിവാരണ അതോറിറ്റി അടിയന്തരമായി ബന്ധപ്പെട്ട വകുപ്പുകൾ ഓറഞ്ച് ബുക്ക് 2021 അടിസ്ഥാനമാക്കിയുള്ള തയ്യാറെടുപ്പുകൾ പൂർത്തീകരിച്ചിട്ടുണ്ടോ എന്ന് പരിശോധിക്കുകയും വിവിധ വകുപ്പുകളുടെ ഏകോപനം ഉറപ്പാക്കുകയും ചെയ്യേണ്ടതാണ്.

ദുരന്ത സാധ്യത മുന്നിൽ കണ്ടുകൊണ്ട് ദുരന്ത പ്രതികരണത്തിനായി ആവശ്യമായ നിദേശങ്ങൾ സജ്ജമാക്കി വെക്കേണ്ടതാണ്.

സംസ്ഥാന ദുരന്ത നിവാരണ അതോറിറ്റിയുടെ ഓറഞ്ച് ബുക്ക് 2021 ലെ മാർഗ്ഗനിർദ്ദേശങ്ങൾക്ക് അനുസൃതമായി ആവശ്യമായ എല്ലാ തയ്യാറെടുപ്പുകളും പൂർത്തീകരിക്കാൻ കർശനമായി നിർദ്ദേശിക്കുന്നു.

ഉരുൾപൊട്ടൽ/മണ്ണിടിച്ചിൽ, വെള്ളപ്പൊക്ക ദുരന്ത സാധ്യത മേഖലകളിൽ അടിയന്തരമായി ദുരിതാശ്വാസ ക്യാമ്പുകൾ സജ്ജമാക്കി വെക്കേണ്ടതാണ്.

മുന്നറിയിപ്പിൻറെ പശ്ചാത്തലത്തിൽ ഓറഞ്ച് ബുക്ക് 2021 ൽ വശനറബിൾ ഗ്രൂപ്പ് എന്ന് അടയാളപ്പെടുത്തിയിരിക്കുന്ന വിഭാഗങ്ങൾക്കായി ക്യാമ്പുകൾ തയ്യാറാക്കി ആവശ്യമായ പട്ടങ്ങളിൽ ആളുകളെ മുൻകൂട്ടി തന്നെ മാറ്റി താമസിപ്പിക്കേണ്ടതാണ്.

ജിയോളജിക്കൽ സർവേ ഓഫ് ഇന്ത്യ, സംസ്ഥാന ദുരന്ത നിവാരണ അതോറിറ്റിയുടെ വിദഗ്ദ്ധ സമിതി എന്നിവർ ഉരുൾപൊട്ടൽ/ മണ്ണിടിച്ചിൽ സാധ്യതയുണ്ടെന്ന് കണ്ടെത്തിയ പ്രദേശങ്ങളിൽ അടിയന്തരമായി ക്യാമ്പുകൾ സജ്ജമാക്കി ജനങ്ങൾക്ക്

ജിയോളജിക്കൽ സർവേ ഓഫ് ഇന്ത്യ, സംസ്ഥാന ദുരന്ത നിവാരണ അതോറിറ്റിയുടെ വിദഗ്ദ്ധ സമിതി എന്നിവർ ഉരുൾപൊട്ടൽ/ മണ്ണിടിച്ചിൽ സാധ്യതയുണ്ടെന്ന് കണ്ടെത്തിയ പ്രദേശങ്ങളിൽ അടിയന്തരമായി ക്യാമ്പുകൾ സജ്ജമാക്കി ജനങ്ങൾക്ക് 'അനൗൺസ്മെന്റ്' വഴി വിവരം നൽകുകയും ജനങ്ങളെ മുൻകരുതലിൻറെ ഭാഗമായി മാറ്റി താമസിപ്പിക്കുകയും ചെയ്യേണ്ടതാണ്. അപകട സാഹചര്യത്തിൻറെ ഗൗരവം ഉൾക്കൊണ്ടു കൊണ്ട് പൊതുജനങ്ങളെ മാറിത്താമസിപ്പിക്കാൻ നിർബന്ധിതമായ ഇടപെടൽ ഉണ്ടാകേണ്ടതാണ്.

വെള്ളപ്പൊക്ക സാധ്യതയുള്ള താഴ്ന്ന പ്രദേശങ്ങളിൽ മുൻകൂട്ടി ക്യാമ്പുകൾ സജ്ജമാക്കുകയും മഴ തുടങ്ങുന്ന ഉടനെ തന്നെ ആളുകളെ ക്യാമ്പുകളിലേക്ക് മാറ്റിത്താമസിപ്പിക്കുകയും ചെയ്യേണ്ടതാണ്.

ക്യാമ്പുകൾ സജ്ജമാക്കേണ്ടത് കോവിഡ് പ്രോട്ടോക്കോൾ പാലിച്ചു കൊണ്ടായിരിക്കണം.

പശ്ചിമഘട്ട മലയോര മേഖലയിലേക്കുള്ള ഗതാഗതം വൈകിട്ട് 7 മണി മുതൽ രാവിലെ 7 മണി വരെ നിരോധിച്ചു കൊണ്ടുള്ള ഉത്തരവ് പുറപ്പെടുവിക്കേണ്ടതാണ്.

ജില്ലാ, താലൂക്ക് കൺട്രോൾ റൂമുകൾ 24\*7 മണിക്കൂറും ജാഗ്രതയായി പ്രവർത്തിക്കേണ്ടതാണ്.

പോലീസും അഗ്നിരക്ഷാ സേനയും അതീവ ജാഗ്രതയോടെ ആക്ഷനുകൾക്ക് തയ്യാറായി ഇരിക്കാൻ നിർദ്ദേശം നൽകേണ്ടതാണ്.

ശക്തമായ കാറ്റ് വീശുന്നതിനാൽ അപകടാവസ്ഥയിലുള്ള മരങ്ങൾ, പോസ്റ്റുകൾ, പരസ്യ ബോർഡുകൾ തുടങ്ങിയവ മുലമുണ്ടാകാൻ സാധ്യതയുള്ള അപകടങ്ങൾ പ്രതിരോധിക്കുന്നതിനായി അടിയന്തര നടപടി സ്വീകരിക്കേണ്ടതാണ്.



ഫയർ ആൻഡ് റെസ്ക്യൂ സേനയും സിവിൽ ഡിഫെൻസും രക്ഷാപ്രവർത്തനങ്ങൾക്ക് സജ്ജരായി ഇരിക്കാനുള്ള നിർദ്ദേശം നൽകണം.

കടലാക്രമണം രൂക്ഷമായ മേഖലയിലും ക്യാമ്പുകൾ സജ്ജീകരിച്ച് ആളുകളെ മാറ്റേണ്ടതാണ്. മൽസ്യ തൊഴിലാളികൾ യാതൊരു കാരണവശാലും കടലിൽ പോകുന്നില്ലെന്ന് ഫിഷറീസ് വകുപ്പും കോസ്റ്റൽ പോലീസും ഉറപ്പാക്കേണ്ടതാണ്. ഇത് സംബന്ധിച്ചുള്ള മുന്നറിയിപ്പ് മൽസ്യ തൊഴിലാളി ഗ്രാമങ്ങളിൽ ഉച്ചഭാഷിണികൾ ഉപയോഗിച്ച് വിളിച്ചു പറയേണ്ടതാണ്.

നദികളിലെ ജലനിരപ്പ് സൂക്ഷ്മമായി നിരീക്ഷിക്കുകയും സംസ്ഥാന ദുരന്ത നിവാരണ അതോറിറ്റിയെ യഥാസമയം അറിയിക്കുകയും ചെയ്യേണ്ടതാണ്.

#### വൈദ്യുതി വകുപ്പിനുള്ള പ്രത്യേക നിർദ്ദേശം

ശക്തമായ കാറ്റിൽ മരങ്ങൾ കടപുഴക്കി വീണും, ചില്ലുകൾ ഒടിഞ്ഞു വീണും, പോസ്റ്റുകൾ തകർന്നും വൈദ്യുത കമ്പികൾ പൊട്ടാനും ഷോക്കേറ്റ് ആളുകൾക്ക് അപകടം സംഭവിക്കാനുമുള്ള സാധ്യതയുണ്ട്. ഇത്തരം അപകടങ്ങൾ ലഘൂകരിക്കാൻ വേണ്ട മുൻകരുതലുകൾ അടിയന്തരമായി സ്വീകരിക്കണം.

കൺട്രോൾ റൂം 24 മണിക്കൂറും പ്രവർത്തിപ്പിക്കേണ്ടതാണ്.

ലൈനുകളുടേയും ട്രാൻസ്ഫോമറുകളുടേയും അപകട സാധ്യതകൾ പരിശോധിച്ച് മുൻകൂർ നടപടികൾ ആവശ്യമുള്ളയിടത്ത് അത് പൂർത്തീകരിക്കേണ്ടതാണ്.

താഴ്ന്ന പ്രദേശങ്ങളിൽ സ്ഥിതി ചെയ്യുന്ന വൈദ്യുത പവർ ഹൗസുകളിലും മറ്റ് പ്രധാന സ്ഥാപനങ്ങളും വെള്ളം കയറാനുള്ള സാധ്യത മുന്നിൽ കണ്ടുള്ള മുൻകരുതൽ നടപടി സ്വീകരിക്കണം.

അണക്കെട്ടുകളിൽ ജലനിരപ്പ് സൂക്ഷ്മമായി നിരീക്ഷിക്കുകയും സ്ഥിതിഗതികൾ ജില്ലാ-സംസ്ഥാന ദുരന്ത നിവാരണ അതോറിറ്റികളെ യഥാസമയം അറിയിക്കുകയും ചെയ്യുക.

കൺട്രോൾ റൂം 24 മണിക്കൂറും പ്രവർത്തിപ്പിക്കേണ്ടതാണ്.

ലൈനുകളുടേയും ട്രാൻസ്ഫോമറുകളുടേയും അപകട സാധ്യതകൾ പരിശോധിച്ച് മുൻകൂർ നടപടികൾ ആവശ്യമുള്ളയിടത്ത് അത് പൂർത്തീകരിക്കേണ്ടതാണ്.

താഴ്ന്ന പ്രദേശങ്ങളിൽ സ്ഥിതി ചെയ്യുന്ന വൈദ്യുത പവർ ഹൗസുകളിലും മറ്റ് പ്രധാന സ്ഥാപനങ്ങളും വെള്ളം കയറാനുള്ള സാധ്യത മുന്നിൽ കണ്ടുള്ള മുൻകരുതൽ നടപടി സ്വീകരിക്കണം.

അണക്കെട്ടുകളിൽ ജലനിരപ്പ് സൂക്ഷ്മമായി നിരീക്ഷിക്കുകയും സ്ഥിതിഗതികൾ ജില്ലാ-സംസ്ഥാന ദുരന്ത നിവാരണ അതോറിറ്റികളെ യഥാസമയം അറിയിക്കുകയും ചെയ്യുക.

#### സംസ്ഥാന ദുരന്ത നിവാരണ അതോറിറ്റി

പുറപ്പെട്ടുവിട്ട സമയം - 2 PM, 16/03/2022

MOCK DRILL MESSAGE END

2:28 PM

SEOC Fahad

SEOC Fahad

TEST.. TEST... TEST.. MOCK DRILL 2022

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Message for Departments

2:28 PM

Member Secretary

Ok

2:29 PM



കേന്ദ്ര കാലാവസ്ഥാവകുപ്പ് കേരളത്തിലെ എല്ലാ ജില്ലകളിലും ഓറഞ്ച് അലേർട്ട് പ്രഖ്യാപിച്ചിരിക്കുന്നു.

16/03/2022: തിരുവനന്തപുരം, കൊല്ലം, പത്തനംതിട്ട, ആലപ്പുഴ, കോട്ടയം, ഇടുക്കി, എറണാകുളം, തൃശ്ശൂർ, പാലക്കാട്, മലപ്പുറം, കോഴിക്കോട്, വയനാട്, കണ്ണൂർ, കാസർഗോഡ് എന്നീ ജില്ലകളിൽ കേന്ദ്ര കാലാവസ്ഥ വകുപ്പ് ഓറഞ്ച് അലേർട്ട് പ്രഖ്യാപിച്ചിരിക്കുന്നു. ഒറ്റപ്പെട്ടയിടങ്ങളിൽ അതിശക്തമായ മഴക്കുള്ള സാധ്യതയാണ് പ്രവചിക്കപ്പെട്ടിരിക്കുന്നത്. 24 മണിക്കൂറിൽ 115.6 mm മുതൽ 204.4 mm വരെ മഴ പരിക്കുമെന്നാണ് അതിശക്തമായ മഴ (Very Heavy Rainfall) എന്നത് കൊണ്ട് കാലാവസ്ഥ വകുപ്പ് അഭ്യർത്ഥിക്കുന്നത്.

കഴിഞ്ഞ ദിവസങ്ങളിൽ വലിയ അളവിൽ മഴ ലഭിച്ച പ്രദേശങ്ങളിൽ മഴ തുടരുന്ന സാഹചര്യത്തിൽ താഴ്ന്ന പ്രദേശങ്ങൾ, നദീതീരങ്ങൾ, ഉരുൾപൊട്ടൽ-മണ്ണിടിച്ചിൽ സാധ്യതയുള്ള മലയോര പ്രദേശങ്ങൾ തുടങ്ങിയ ഇടങ്ങളിലുള്ളവർ അതിവ ജാഗ്രത പാലിക്കണം.

2018, 2019, 2020, 2021 വർഷങ്ങളിൽ ഉരുൾപൊട്ടൽ-മണ്ണിടിച്ചിൽ, വെള്ളപ്പൊക്കം എന്നിവ ഉണ്ടായ മേഖലകളിൽ ഉള്ളവർ, ജീവോളങ്ങളിൽ സർവ്വ ഓഫ് ഇന്ത്യയും സംസ്ഥാന ദുരന്ത നിവാരണ അതോറിറ്റിയുടെ വിദഗ്ദ്ധ സമിതിയും അപകട സാധ്യത മേഖലകൾ അഥവാ വാസയോഗ്യമല്ലാത്ത പ്രദേശങ്ങൾ എന്ന് കണ്ടെത്തിയ സ്ഥലങ്ങളിൽ താമസിക്കുന്നവരും അവിടങ്ങളിലുള്ള തദ്ദേശ സ്ഥാപനങ്ങളും സർക്കാർ സംവിധാനങ്ങളും അപകട സാധ്യത മുന്നിൽ കണ്ട് കൊണ്ടുള്ള തയ്യാറെടുപ്പുകൾ പൂർത്തീകരിക്കേണ്ടതാണ്.

കോവിഡ് 19 ന്റെ പശ്ചാത്തലത്തിൽ ദുരിതാശ്വാസ ക്യാമ്പുകൾ നടത്താൻ സംസ്ഥാന ദുരന്ത നിവാരണ അതോറിറ്റി ഓറഞ്ച് ബുക്ക് 2021 ലൂടെ നിർദ്ദേശിച്ച തരത്തിലുള്ള തയ്യാറെടുപ്പുകൾ പൂർത്തീകരിക്കേണ്ടതാണ്.

#### പൊതുജനങ്ങൾക്കുള്ള പ്രത്യേക നിർദ്ദേശങ്ങൾ

അതിശക്തമായ മഴ മുന്നറിയിപ്പുള്ള സാഹചര്യത്തിൽ അധികൃതരുടെ നിർദ്ദേശങ്ങൾ അനുസരിച്ച് മാറിത്താമസിക്കേണ്ട ഇടങ്ങളിൽ അതിനോട് സഹകരിക്കേണ്ടതാണ്.

ദുരിതാശ്വാസ ക്യാമ്പുകളിലേക്ക് മാറേണ്ടുന്ന ഘട്ടങ്ങളിൽ പൂർണ്ണമായും കോവിഡ് മാനദണ്ഡങ്ങൾ പാലിക്കാൻ തയ്യാറാവണം.

ദുരന്ത സാധ്യത മേഖലയിലുള്ളവർ ഒരു എമർജൻസി കിറ്റ് അടിയന്തരമായി തയ്യാറാക്കി വെക്കേണ്ടതാണ്. കിറ്റ് തയ്യാറാക്കുന്നതിനുള്ള നിർദ്ദേശങ്ങൾ <https://sdm.kerala.gov.in/wp-content/uploads/2020/07/Emergency-Kit.pdf> എന്ന ലിങ്കിൽ ലഭിക്കും.

ശക്തമായ മഴ പെയ്യുന്ന സാഹചര്യത്തിൽ ഒരു കാരണവശാലും നദികൾ മുറിച്ചു കടക്കാതെന്നും, നദികളിലോ മറ്റ് ജലാശയങ്ങളിലോ കുളിക്കാനോ മീൻപിടിക്കാനോ മറ്റ് ആവശ്യങ്ങൾക്കോ ഇറങ്ങാൻ പാടുള്ളതല്ല.

ജലാശയങ്ങൾക്ക് മുകളിലെ മേൽപ്പാലങ്ങളിൽ കയറി കാഴ്ച കാണുകയോ സെല്ലിയെടുക്കുകയോ കൂട്ടം കൂടി നിൽക്കുകയോ ചെയ്യാൻ പാടുള്ളതല്ല.

അണക്കെട്ടുകളുടെ താഴെ താമസിക്കുന്നവർ അണക്കെട്ടുകളിൽ നിന്ന് വെള്ളം പുറത്തേക്ക് ഒഴുക്കി വിടാനുള്ള സാധ്യത മുൻകൂട്ടി കണ്ട് കൊണ്ടുള്ള തയ്യാറെടുപ്പുകൾ നടത്തുകയും അധികൃതരുടെ നിർദ്ദേശങ്ങൾക്ക് അനുസരിച്ച് ആവശ്യമെങ്കിൽ മാറിത്താമസിക്കുകയും വേണം.

മലയോര മേഖലയിലേക്കുള്ള രാത്രി സഞ്ചാരം പൂർണ്ണമായി ഒഴിവാക്കുക.

സംസ്ഥാന പ്രാധാന്യങ്ങളിൽ അപകടവനശനിൽ നിൽക്കുന്ന



മലയോര മേഖലയിലേക്കുള്ള രാത്രി സഞ്ചാരം പൂർണ്ണമായി ഒഴിവാക്കുക.

സ്വകാര്യ-പൊതു ഇടങ്ങളിൽ അപകടവസ്ഥയിൽ നിൽക്കുന്ന മരങ്ങൾ/പോസ്റ്റുകൾ/ബോർഡുകൾ തുടങ്ങിയവ സുരക്ഷിതമാക്കേണ്ടതും മരങ്ങൾ കോടി ഒതുക്കുകയും ചെയ്യേണ്ടതാണ്. അപകടാവസ്ഥകൾ അധികൃതരുടെ ശ്രദ്ധയിൽ പെടുത്തേണ്ടതാണ്.

കാറ്റിൽ മരങ്ങൾ കടപുഴകി വീണും പോസ്റ്റുകൾ തകർന്നു വീണും ഉണ്ടാകുന്നിടയുള്ള അപകടങ്ങളെയും ശ്രദ്ധിക്കേണ്ടതാണ്. സംസ്ഥാന ദുരന്ത നിവാരണ അതോറിറ്റി പുറപ്പെടുവിച്ച ശക്തമായ കാറ്റിൽ സ്വീകരിക്കേണ്ട മുൻകരുതൽ നടപടികൾ <https://sdma.kerala.gov.in/windwarning/> എന്ന ലിങ്കിൽ നിന്ന് ലഭ്യമാണ്.

ഓറഞ്ച് അലേർട്ട് പ്രഖ്യാപിച്ച ജില്ലകളിൽ എങ്ങനെയാണ് മുന്നൊരുക്കങ്ങൾ നടത്തേണ്ടതെന്നും ഏത് തരത്തിലാണ് അലേർട്ടുകളെ മനസ്സിലാക്കേണ്ടത് എന്നും സംസ്ഥാന ദുരന്ത നിവാരണ അതോറിറ്റിയുടെ ഓറഞ്ച് പുസ്തകം 2021 ൽ വിശദീകരിക്കുന്നുണ്ട്. അത് [https://sdma.kerala.gov.in/wp-content/uploads/2021/05/orangebook\\_2021.pdf](https://sdma.kerala.gov.in/wp-content/uploads/2021/05/orangebook_2021.pdf) ഈ ലിങ്കിൽ ലഭ്യമാണ്.

കേന്ദ്ര കാലാവസ്ഥ വകുപ്പ് മുന്നറിയിപ്പിൽ മാറ്റങ്ങൾ വരുത്തുന്നതുസരിച്ച് അലേർട്ടുകളിൽ മാറ്റം വരാവുന്നതാണ്. ദുരന്ത നിവാരണ അതോറിറ്റിയുടെ ഫേസ്ബുക്ക്, ട്വിറ്റർ പേജുകളും പരിശോധിക്കുക.

പുറപ്പെടുവിച്ച സമയം - 2 PM, 16/03/2022

**IMD-KSEOC-KSDMA**

**MOCK DRILL MESSAGE END**

2:29 PM

**SEOC Fahad**

TEST... TEST... TEST... MOCK DRILL 2022

കേന്ദ്ര കാലാവസ്ഥാവകുപ്പ് കേരളത്തിലെ ഏഴ് ജില്ലകളിലും ...

Message for the public

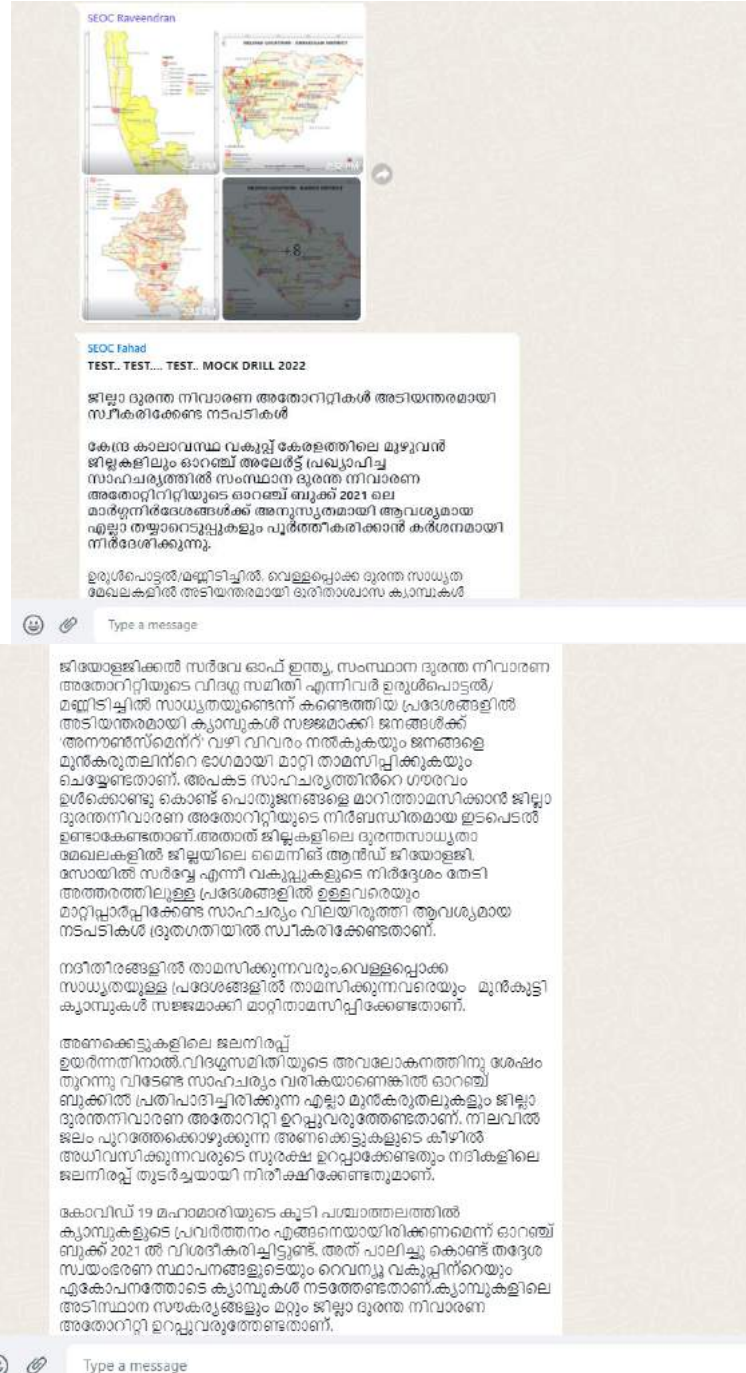
2:30 PM

**Member Secretary**

Ok

2:30 PM







വരും ദിവസങ്ങളിൽ കേരളത്തിൽ വ്യാപകമായും മഴ ലഭിക്കാൻ സാധ്യതയുള്ളതിനാൽ മലയോരപ്രദേശങ്ങളിലെ രാത്രികാല യാത്രകൾ, വിനോദസഞ്ചാര മേഖലകളിലെ നിയന്ത്രണം, മൈനിങ് പ്രവർത്തനങ്ങൾ എന്നിവയ്ക്ക് ജില്ലാ ദുരന്തനിവാരണ അതോറിറ്റി കർശനനിയന്ത്രണം ഏർപ്പെടുത്തേണ്ടതാണ്.

ശക്തമായ മഴ പെയ്യുന്ന സാഹചര്യത്തിൽ ഒരു കാരണവശാലും ജനങ്ങൾ നദികൾ മുറിച്ചു കുടക്കാതോ, നദികളിലോ മറ്റ് ജലാശയങ്ങളിലോ കുളിക്കാതോ മീൻപിടിക്കാതോ മറ്റ് ആവശ്യങ്ങൾക്കോ ഇറങ്ങാൻ പാടുള്ളതല്ല. ഇത് തടയാൻ വേണ്ട നടപടികൾ സ്വീകരിക്കേണ്ടതാണ്.

സംസ്ഥാനത്തിൻറെ പ്രധാന മഴക്കാലത്തിന്റെ അവസാനഘട്ടത്തിൽ എത്തി നിൽക്കുന്നത് കൊണ്ട് തന്നെ മണ്ണിടിച്ചിലിനും ഉരുൾപൊട്ടലിനും നദികൾ കരകവിഞ്ഞൊഴുന്നതിനും സാധ്യത വളരെ കൂടുതലാണ്. കുറഞ്ഞ സമയം കൊണ്ട് കുത്തിയൊലിച്ചു പെയ്യുന്ന അതിശക്തമായ മഴ കേരളത്തിൽ തുടർച്ചയായി അപകടം വിതയ്ക്കുന്ന സാഹചര്യമുണ്ട്. ചുരുക്കം മണിക്കൂറുകൾ കൊണ്ട് തന്നെ വലിയ അപകടങ്ങൾക്ക് സാധ്യതയേറെയാണ്. അതുകൊണ്ട് നിലവിലെ സാഹചര്യം സാധാരണ ഗതിയിലേക്ക് എത്തുന്നത് വരെ സംസ്ഥാനത്തെ മുഴുവൻ മലയോര മേഖലയിലും നദിക്കരകളിലും അതീവ ജാഗ്രത പുലർത്താൻ ദുരന്ത നിവാരണ അതോറിറ്റി കർശന നിർദ്ദേശം പുറപ്പെടുവിക്കുകയാണ്.

പകൽ സമയത്ത് മഴ മാറി നിൽക്കുന്നത് കൊണ്ട് ജാഗ്രത കുറവ് ദുരന്ത സാധ്യത പ്രദേശങ്ങളിലുള്ള ജനങ്ങളോ ഉദ്യോഗസ്ഥരോ കാണിക്കാൻ പാടുള്ളതല്ല. കാലാവസ്ഥ മുന്നറിയിപ്പിൽ മാറ്റങ്ങൾ വരാവുന്നതുമാണ്. അതുകൊണ്ട് സംസ്ഥാന ദുരന്ത നിവാരണ അതോറിറ്റി പ്രഖ്യാപിക്കുന്ന അതീവ ജാഗ്രത നിർദ്ദേശം പിൻവലിക്കുന്നത് വരെ സുരക്ഷാ മാർഗ നിർദ്ദേശങ്ങൾ കർശനമായി പാലിക്കേണ്ടതാണ്.

നിലവിൽ കേന്ദ്ര കാലാവസ്ഥ വകുപ്പ് ഓറഞ്ച് അലേർട്ടാണ് പ്രഖ്യാപിച്ചതെങ്കിലും ഓറഞ്ച് ബുക്കിൽ പ്രതിപാദിച്ച റെഡ് അലേർട്ടിന് സമാനമായ നടപടികൾ പ്രത്യേകിച്ച് ഉരുൾ പൊട്ടൽ / മണ്ണിടിച്ചിൽ സാധ്യത പ്രദേശങ്ങളിൽ ജില്ലാ ദുരന്തനിവാരണ അതോറിറ്റികൾ സ്വീകരിക്കേണ്ടതാണ്

നിലവിൽ കേന്ദ്ര കാലാവസ്ഥ വകുപ്പ് ഓറഞ്ച് അലേർട്ടാണ് പ്രഖ്യാപിച്ചതെങ്കിലും ഓറഞ്ച് ബുക്കിൽ പ്രതിപാദിച്ച റെഡ് അലേർട്ടിന് സമാനമായ നടപടികൾ പ്രത്യേകിച്ച് ഉരുൾ പൊട്ടൽ / മണ്ണിടിച്ചിൽ സാധ്യത പ്രദേശങ്ങളിൽ ജില്ലാ ദുരന്തനിവാരണ അതോറിറ്റികൾ സ്വീകരിക്കേണ്ടതാണ്

വകുപ്പുകൾ സ്വീകരിക്കേണ്ട മുൻകരുതലുകൾ സംബന്ധിച്ച ഉത്തരവ്, ഓറഞ്ച് ബുക്ക് 2021.GS1 ദുരന്തനിവാരണ അതോറിറ്റി നിയോഗിച്ച വിദഗ്ദ്ധസംഘം എന്നിവർ കണ്ടെത്തിയ ദുരന്തസാധ്യത പ്രദേശങ്ങളുടെ പട്ടിക എന്നിവ അനുബന്ധമായി ചേർക്കുന്നു.

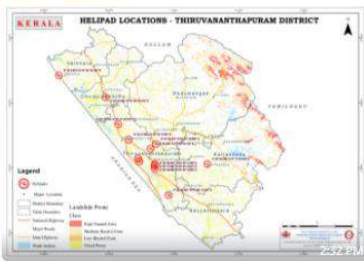
പുറപ്പെടുവിച്ച സമയം - 2 PM, 16/03/2022

IMD-KSEOC-KSDMA

MOCK DRILL MESSAGE END

2:32 PM

SEOC Raveendran









Kerala State Emergency Operations Centre (SEOC) - 2022					
Sl. No.	Name	Mobile No.	Designation	Remarks	Signature
1	Mr. A. K. S. Nair	98461 12345	Joint Secretary		
2	Mr. B. K. S. Nair	98461 12346	Joint Secretary		
3	Mr. C. K. S. Nair	98461 12347	Joint Secretary		
4	Mr. D. K. S. Nair	98461 12348	Joint Secretary		
5	Mr. E. K. S. Nair	98461 12349	Joint Secretary		
6	Mr. F. K. S. Nair	98461 12350	Joint Secretary		
7	Mr. G. K. S. Nair	98461 12351	Joint Secretary		
8	Mr. H. K. S. Nair	98461 12352	Joint Secretary		
9	Mr. I. K. S. Nair	98461 12353	Joint Secretary		
10	Mr. J. K. S. Nair	98461 12354	Joint Secretary		
11	Mr. K. K. S. Nair	98461 12355	Joint Secretary		
12	Mr. L. K. S. Nair	98461 12356	Joint Secretary		
13	Mr. M. K. S. Nair	98461 12357	Joint Secretary		
14	Mr. N. K. S. Nair	98461 12358	Joint Secretary		
15	Mr. O. K. S. Nair	98461 12359	Joint Secretary		
16	Mr. P. K. S. Nair	98461 12360	Joint Secretary		
17	Mr. Q. K. S. Nair	98461 12361	Joint Secretary		
18	Mr. R. K. S. Nair	98461 12362	Joint Secretary		
19	Mr. S. K. S. Nair	98461 12363	Joint Secretary		
20	Mr. T. K. S. Nair	98461 12364	Joint Secretary		
21	Mr. U. K. S. Nair	98461 12365	Joint Secretary		
22	Mr. V. K. S. Nair	98461 12366	Joint Secretary		
23	Mr. W. K. S. Nair	98461 12367	Joint Secretary		
24	Mr. X. K. S. Nair	98461 12368	Joint Secretary		
25	Mr. Y. K. S. Nair	98461 12369	Joint Secretary		
26	Mr. Z. K. S. Nair	98461 12370	Joint Secretary		
27	Mr. A. K. S. Nair	98461 12371	Joint Secretary		
28	Mr. B. K. S. Nair	98461 12372	Joint Secretary		
29	Mr. C. K. S. Nair	98461 12373	Joint Secretary		
30	Mr. D. K. S. Nair	98461 12374	Joint Secretary		
31	Mr. E. K. S. Nair	98461 12375	Joint Secretary		
32	Mr. F. K. S. Nair	98461 12376	Joint Secretary		
33	Mr. G. K. S. Nair	98461 12377	Joint Secretary		
34	Mr. H. K. S. Nair	98461 12378	Joint Secretary		
35	Mr. I. K. S. Nair	98461 12379	Joint Secretary		
36	Mr. J. K. S. Nair	98461 12380	Joint Secretary		
37	Mr. K. K. S. Nair	98461 12381	Joint Secretary		
38	Mr. L. K. S. Nair	98461 12382	Joint Secretary		
39	Mr. M. K. S. Nair	98461 12383	Joint Secretary		
40	Mr. N. K. S. Nair	98461 12384	Joint Secretary		
41	Mr. O. K. S. Nair	98461 12385	Joint Secretary		
42	Mr. P. K. S. Nair	98461 12386	Joint Secretary		
43	Mr. Q. K. S. Nair	98461 12387	Joint Secretary		
44	Mr. R. K. S. Nair	98461 12388	Joint Secretary		
45	Mr. S. K. S. Nair	98461 12389	Joint Secretary		
46	Mr. T. K. S. Nair	98461 12390	Joint Secretary		
47	Mr. U. K. S. Nair	98461 12391	Joint Secretary		
48	Mr. V. K. S. Nair	98461 12392	Joint Secretary		
49	Mr. W. K. S. Nair	98461 12393	Joint Secretary		
50	Mr. X. K. S. Nair	98461 12394	Joint Secretary		
51	Mr. Y. K. S. Nair	98461 12395	Joint Secretary		
52	Mr. Z. K. S. Nair	98461 12396	Joint Secretary		
53	Mr. A. K. S. Nair	98461 12397	Joint Secretary		
54	Mr. B. K. S. Nair	98461 12398	Joint Secretary		
55	Mr. C. K. S. Nair	98461 12399	Joint Secretary		
56	Mr. D. K. S. Nair	98461 12400	Joint Secretary		
57	Mr. E. K. S. Nair	98461 12401	Joint Secretary		
58	Mr. F. K. S. Nair	98461 12402	Joint Secretary		
59	Mr. G. K. S. Nair	98461 12403	Joint Secretary		
60	Mr. H. K. S. Nair	98461 12404	Joint Secretary		
61	Mr. I. K. S. Nair	98461 12405	Joint Secretary		
62	Mr. J. K. S. Nair	98461 12406	Joint Secretary		
63	Mr. K. K. S. Nair	98461 12407	Joint Secretary		
64	Mr. L. K. S. Nair	98461 12408	Joint Secretary		
65	Mr. M. K. S. Nair	98461 12409	Joint Secretary		
66	Mr. N. K. S. Nair	98461 12410	Joint Secretary		
67	Mr. O. K. S. Nair	98461 12411	Joint Secretary		
68	Mr. P. K. S. Nair	98461 12412	Joint Secretary		
69	Mr. Q. K. S. Nair	98461 12413	Joint Secretary		
70	Mr. R. K. S. Nair	98461 12414	Joint Secretary		
71	Mr. S. K. S. Nair	98461 12415	Joint Secretary		
72	Mr. T. K. S. Nair	98461 12416	Joint Secretary		
73	Mr. U. K. S. Nair	98461 12417	Joint Secretary		
74	Mr. V. K. S. Nair	98461 12418	Joint Secretary		
75	Mr. W. K. S. Nair	98461 12419	Joint Secretary		
76	Mr. X. K. S. Nair	98461 12420	Joint Secretary		
77	Mr. Y. K. S. Nair	98461 12421	Joint Secretary		
78	Mr. Z. K. S. Nair	98461 12422	Joint Secretary		
79	Mr. A. K. S. Nair	98461 12423	Joint Secretary		
80	Mr. B. K. S. Nair	98461 12424	Joint Secretary		
81	Mr. C. K. S. Nair	98461 12425	Joint Secretary		
82	Mr. D. K. S. Nair	98461 12426	Joint Secretary		
83	Mr. E. K. S. Nair	98461 12427	Joint Secretary		
84	Mr. F. K. S. Nair	98461 12428	Joint Secretary		
85	Mr. G. K. S. Nair	98461 12429	Joint Secretary		
86	Mr. H. K. S. Nair	98461 12430	Joint Secretary		
87	Mr. I. K. S. Nair	98461 12431	Joint Secretary		
88	Mr. J. K. S. Nair	98461 12432	Joint Secretary		
89	Mr. K. K. S. Nair	98461 12433	Joint Secretary		
90	Mr. L. K. S. Nair	98461 12434	Joint Secretary		
91	Mr. M. K. S. Nair	98461 12435	Joint Secretary		
92	Mr. N. K. S. Nair	98461 12436	Joint Secretary		
93	Mr. O. K. S. Nair	98461 12437	Joint Secretary		
94	Mr. P. K. S. Nair	98461 12438	Joint Secretary		
95	Mr. Q. K. S. Nair	98461 12439	Joint Secretary		
96	Mr. R. K. S. Nair	98461 12440	Joint Secretary		
97	Mr. S. K. S. Nair	98461 12441	Joint Secretary		
98	Mr. T. K. S. Nair	98461 12442	Joint Secretary		
99	Mr. U. K. S. Nair	98461 12443	Joint Secretary		
100	Mr. V. K. S. Nair	98461 12444	Joint Secretary		

TEST...TEST...TEST..MOCKDRILL 2022

To,  
LSGD  
Revenue  
KSEB  
Irrigation  
PWD  
Police  
Fire Force  
PRD

Sir,

Sub: Activation of State Emergency Operations Centre - reg.  
Ref : IMD district rainfall forecast dated 16.3.22

As per IMD rainfall forecast orange alert is declared for all the districts in the state for 16-03-22. Hence the State Emergency Operations Centre is activated as per SoP. I request you to depute an officer with immediate effect to the SEOC.

Sincerely,  
Head SEOC

2:34 PM ✓

Member Secretary

You  
TEST...TEST...TEST..MOCKDRILL 2022  
To,  
LSGD...

Ok

2:34 PM

TEST...TEST...TEST..MOCKDRILL 2022

To

Sr. Commandant  
NDRF

The DDMA Chairman  
All Districts

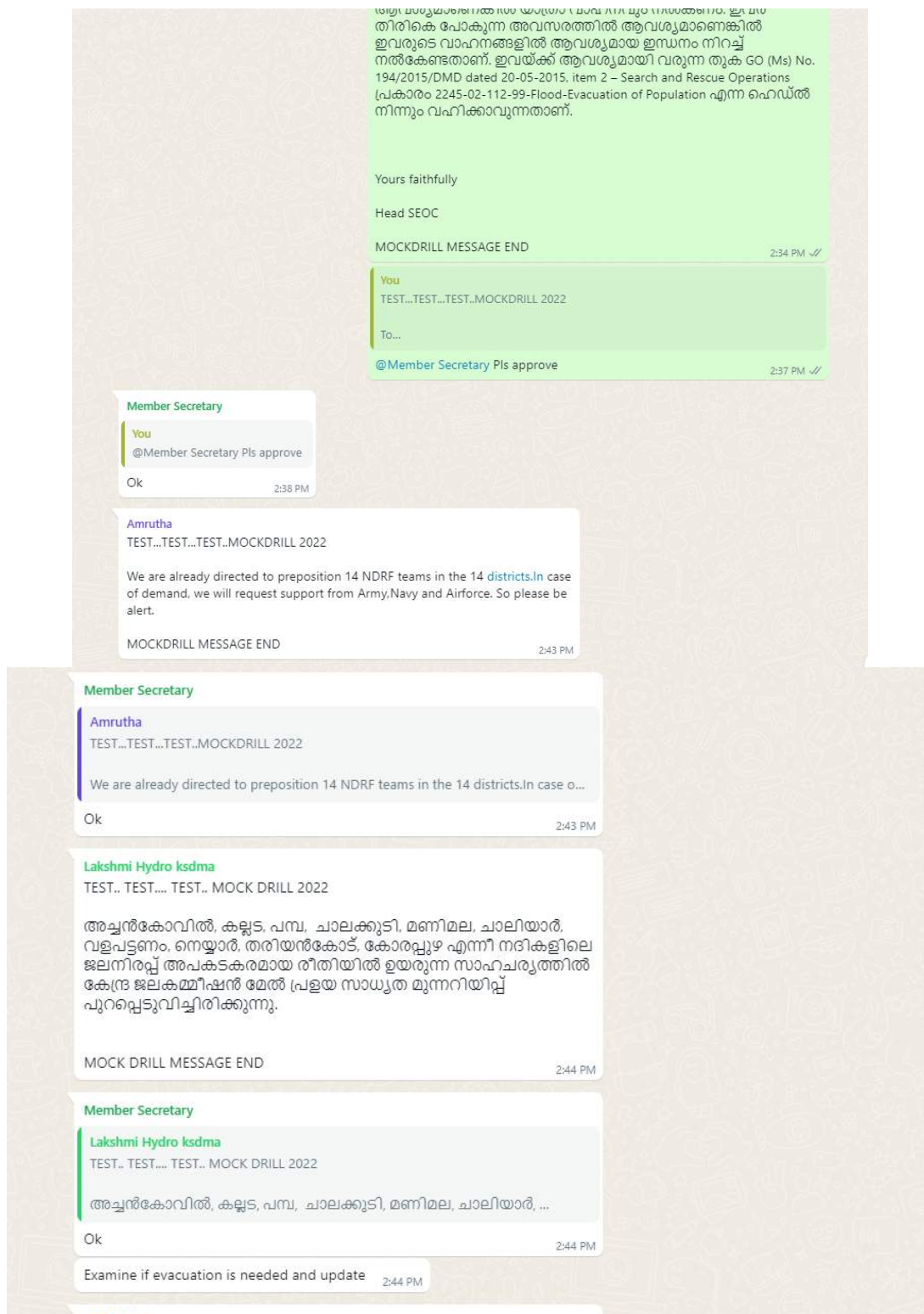
Madam/Sir,

Sub: Pre-positioning of NDRF teams - Intense spell of rainfall forecasted - Reg  
Ref: District rainfall forecast for Kerala and Lakshadweep issued by IMD

The low pressure area formed in the southwestern Arabian Sea is gaining strength. The India Meteorological Department (IMD) has issued an Orange Alert for all the districts of Kerala as the rainfall over the last two days is likely to intensify after 2 pm today. In these circumstances, 14 teams may preposition in the 14 district of Kerala. We request the concerned District Collectors to make necessary arrangements for their food and accommodation.

As per Orange Book Section 4 (36), the District is permitted to meet the expenses related to this prepositioning from 2245-02-112-99-Flood-Evacuation of Population. Section 4 (36) reads as follows: ദേശീയ ദുരന്ത പ്രതികരണ സേനയെ (NDRF) തൃശ്ശൂരിൽനിന്നും, മറ്റ് സ്ഥലങ്ങളിൽ നിന്നും വിന്യസിക്കുന്ന അവസരത്തിൽ ഇവരുടെ (48 അംഗങ്ങൾ) ഭക്ഷണം, താമസം എന്നിവ അതാത് ജില്ലകൾ വഹിക്കേണ്ടതാണ്. ഇവരുടെ യാത്രാ ചെലവ് തൃശ്ശൂർ ജില്ലാ ദുരന്ത നിവാരണ അതോറിറ്റി വഹിക്കും. ആരക്കോണത്തുനിന്നും തേരിട്ടു വിന്യസിക്കപ്പെട്ടാലും ഇവരുടെ ഒരു ടിമിൽ 48 അംഗങ്ങൾ ..







SEOC Fahad

TEST.. TEST.... TEST.. MOCK DRILL 2022

പ്രളയ സാധ്യത മുന്നറിയിപ്പ്

ജലനിരപ്പ് അപകടകരമായ രീതിയിൽ ഉയരുന്ന സാഹചര്യത്തിൽ അച്ചൻകോവിൽ, കല്ലട, പമ്പ, ചാലക്കുടി, മണിമല, ചാലിയാർ, വളപട്ടണം, നെയ്യാർ, തരിയൻകോട്, കോരപ്പുഴ എന്നീ നദികളിൽ കേന്ദ്ര ജലകമ്മീഷൻ പ്രളയ സാധ്യത മുന്നറിയിപ്പ് പുറപ്പെടുവിച്ചിരിക്കുന്നു.

നദിക്കരകളിൽ പ്രളയ സാധ്യത പ്രദേശങ്ങളിൽ ഉള്ളവരെ അടിയന്തരമായി മാറ്റി താമസിപ്പിക്കാനും ആവശ്യമായ മറ്റ് തയ്യാറെടുപ്പുകൾ പൂർത്തീകരിക്കാനും സംസ്ഥാന ദുരന്ത നിവാരണ അതോറിറ്റി നിർദ്ദേശിക്കുന്നു. ഉദ്യോഗസ്ഥരും പൊതുജനങ്ങളും ജാഗ്രത പാലിക്കുക.

KSEOC-CWC

പുറപ്പെടുവിച്ച സമയം - 2.50 PM, 16/03/2022

MOCK DRILL MESSAGE END

2:44 PM

Amrutha

TEST...TEST...TEST..MOCKDRILL 2022

Directed Civil defense volunteers, Aapdha Mithra Volunteers and Sannadha sena Volunteers to be on alert.

MOCKDRILL MESSAGE END

2:45 PM

Member Secretary

Amrutha

TEST...TEST...TEST..MOCKDRILL 2022

Directed Civil defense volunteers, Aapdha Mithra Volunteers and Sannadha sena ...

Member Secretary

Amrutha

TEST...TEST...TEST..MOCKDRILL 2022

Directed Civil defense volunteers, Aapdha Mithra Volunteers and Sannadha sena ...

Ok

2:45 PM

SEOC Athulya

Amrutha

TEST...TEST...TEST..MOCKDRILL 2022

Directed Civil defense volunteers, Aapdha Mithra Volunteers and Sannadha sena ...

Noted

2:46 PM

Lakshmi Hydro ksdma

MOCK DRILL 16<sup>TH</sup> MARCH 2022

Sl. No.	Representative / Member	Area	Phone No.	Address	Remarks	Signature	Date
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TEST.. TEST.. TEST.. MOCK DRILL 2022

മഴയുടെ അളവ് കൂടുന്ന സാഹചര്യത്തിൽ , അണക്കെട്ടുകളിലെ ജല നിരപ്പ് ഉയരുന്നതായി കാണപ്പെടുന്നു. നിലവിൽ കക്കി അണക്കെട്ടിലെ ജലനിരപ്പ് ബ്ലൂ അലേർട് കടന്നു. ഷോളയാർ അണക്കെട്ടിലെ ജലനിരപ്പ് ഓറഞ്ച് അലേർട് കടന്നു. മാട്ടുപെട്ടി,കുണ്ടള,കല്ലാർകുട്ടി, പെരിങ്ങൽകുത്ത് അണക്കെട്ടുകളിൽ ജലനിരപ്പ് റെഡ് അലേർട് കടന്നു

2:45 PM, 16 മാർച്ച് 2022

KSEBL-KSEOC - KSDMA

MOCK DRILL MESSAGE END

2:46 PM

Lakshmi Hydro ksdma

TEST.. TEST.. TEST.. MOCK DRILL 2022

മഴയുടെ അളവ് കൂടുന്ന സാഹചര്യത്തിൽ , അണക്കെട്ടുകളിലെ ജല നിരപ്പ് ഉയരുന്നതായി കാണപ്പെടുന്നു. നിലവിൽ വാഴാനി, പീച്ചി,മംഗലം അണക്കെട്ടുകളിൽ ജലനിരപ്പ് റെഡ് അലേർട് കടന്നു. പോത്തുണ്ടി,നെയ്യാർ,ചുള്ളിയാർ,മീങ്കര അണക്കെട്ടുകളിൽ ജലനിരപ്പ് ഓറഞ്ച് അലേർട് കടന്നു.

ചിമ്മിണി, മലമ്പുഴ അണക്കെട്ടുകളിൽ ബ്ലൂ അലേർട് പ്രഖ്യാപിച്ചു

2:46PM, 16 മാർച്ച് 2022

IRRIGATION-KSEOC - KSDMA

MOCK DRILL MESSAGE END

2:48 PM

Amrutha

NDRF team status

4 teams reached

2 teams in Idukki

One team in Alappuzha

One team in Thirissur

Remaining 10 teams are on the way

MOCKDRILL MESSAGE END

2:48 PM

Rajeevan Met

TEST.. TEST.. TEST.. MOCK DRILL 2022

The low pressure area formed in the southwestern Arabian Sea is gaining strength. The India Meteorological Department (IMD) has issued an RED Alert KASARGOD districts of Kerala

2. 45 PM, 16/03/2022

IMD-KSEOC-KSDMA

.MOCK DRILL MESSAGE END

2:50 PM

Forwarded



Tuna a maccana



TEST.. TEST.. TEST.. MOCK DRILL 2022കേന്ദ്ര ജല കമ്മീഷന്റെ അറിയിപ്പ്  
പ്രകാരം \* കരിയറങ്ങോട് \* നദിയിലെ ജലനിരപ്പ് \* DANGER LEVEL  
യിലേക്ക് അടുക്കുകയാണ്.  
2:55 PM, 16 മാർച്ച് 2022  
CWC-KSEOC - KSDMA  
MOCK DRILL MESSAGE END

TEST.. TEST. TEST.. MOCK DRILL 2022

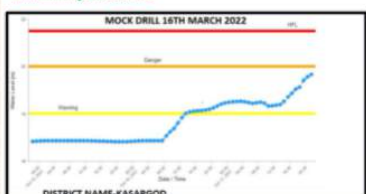
കാസറഗോഡ് ജില്ലയിൽ റെഡ് അലൈൻസ്

തെക്ക് പടിഞ്ഞാറൻ അറബികടലിൽ രൂപപ്പെട്ട ന്യൂന മർദ്ദം ശക്തി പ്രാപിക്കുന്നു. എല്ലാ ജില്ലകളിലും കഴിഞ്ഞ രണ്ടു ദിവസങ്ങളിൽ ലഭിച്ചതുകൊണ്ടിരിക്കുന്ന മഴ ഇന്ന് ചുക്ക് ശേഷം അതിശക്തമാകാൻ സാധ്യത. കാസറഗോഡ് ജില്ലയിൽ അതി തീവ്ര മഴക്ക് സാധ്യതയുള്ളതിനാൽ റെഡ് അലർട്ട് അലർട്ട് പ്രഖ്യാപിച്ചിരിക്കുന്നതായ കേന്ദ്രം കാലാവസ്ഥ വകുപ്പ് അറിയിക്കുന്നു.

2.45 pm, 16 മറുർച്ച് 2022

IMD -KSEOC - KSDMA

MOCK DRILL MESSAGE END



SEOC Fahad

TEST.. TEST.... TEST.. MOCK DRILL 2022

കേന്ദ്ര കാലാവസ്ഥ വകുപ്പ് കാസറഗോഡ് ജില്ലയിൽ റെയ് അലേർട്ട് പ്രഖ്യാപിച്ചിരിക്കുന്നു.

കാസറഗോഡ് ജില്ലയിൽ അതിർവ്വ മഴക്കുള്ള സാധ്യതയാണ് പ്രവചനക്കപ്പെട്ടിരിക്കുന്നത്. 24 മണിക്കൂറിൽ 20.5 മില്ലീമീറ്ററിന് മുകളിലുള്ള മഴയാണ് പ്രതീക്ഷിക്കേണ്ടത്. കലാപനസമ വപ്പുനിന്നിനെ ഏറ്റവും ഉയരുന്ന അലേർട്ട് ആണ് റെയ് അലേർട്ട്. റെയ് അലേർട്ടിനെ പശ്ചാത്തലത്തിൽ സഹപാത്ര ദുരന്ത പരമാരണ അതേറ്റിവി അതിവ ജാഗ്രത മുന്നറിയിപ്പു പുറപ്പെടുവിക്കുന്നു.

രേപകടം സാധ്യമായുള്ള പ്രദേശങ്ങളിൽ താമസിക്കുന്നവരെ എത്രയും പെട്ടെന്ന് സുരക്ഷിത സ്ഥാനത്തേക്ക് നിർബന്ധ പുരയിടം മാറ്റേണ്ടതാണ്. ആവശ്യമെങ്കിൽ ഇതിനായി പൊലീസിന്റെ സഹായം ഉപയോഗിക്കേണ്ടതാണ്. ലഭ്യമായ രക്ഷാസേനകളെ രേപകടം സാധ്യത പ്രദേശങ്ങളിലേക്ക് അയയ്ക്കേണ്ടതാണ്.

ഓറഞ്ച് ബുക്ക് 2021 നിർദ്ദേശിച്ച പ്രകാരമുള്ള മറ്റ് നടപടികൾ സ്വീകരിക്കേണ്ടതാണ്.

... [Read more](#)

Member Secretary

SEOC Fahad

TEST.. TEST.... TEST.. MOCK DRILL 2022

കേന്ദ്ര കാലാവസ്ഥ വകുപ്പ് കാസറഗോഡ് ജില്ലയിൽ റെയ് അലേക്സ്...

Ok

Sir Pls approve



SEOC Fahad

SEOC Fahad

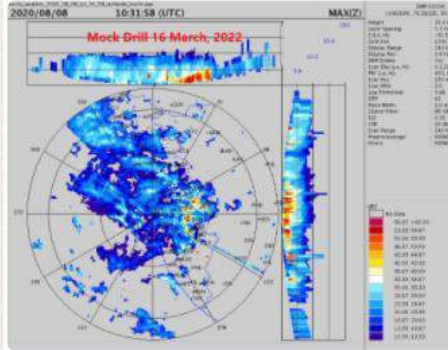
TEST.. TEST.... TEST.. MOCK DRILL 2022

കേന്ദ്ര കാലാവസ്ഥ വകുപ്പ് കാസറഗോഡ് ജില്ലയിൽ റെഡ് അലേർട്ട് ...

Updated Red Alert Message

2:54 PM

Rajeevan Met



കാസറഗോഡ് ജില്ലയിൽ ശക്തമായ മഴ തുടരുന്നു. IMD KOCHI RADAR image

2:55 PM

Lakshmi Hydro ksdma

കാസറഗോഡ് ജില്ലയിൽ റെഡ് അലേർട്ട് പ്രഖ്യാപിച്ച സാഹചര്യത്തിൽ ,കരിയത്തോട് നദിയുടെ ജലനിരപ്പ് DANGER ലെവൽ കടന്നു കൊണ്ടിരിക്കുന്നു.

2:56 PM

SEOC Fahad

TEST.. TEST.... TEST.. MOCK DRILL 2022

മുഖ്യമന്ത്രിയുടെ ഓഫീസിനുള്ള കുറിപ്പ്

കാസറഗോഡ് ജില്ലയിൽ റെഡ് അലേർട്ടും കേരളത്തിലെ മറ്റ് 13 ജില്ലകൾക്ക് കേന്ദ്ര കാലാവസ്ഥ വകുപ്പ് ഓറഞ്ച് അലേർട്ടും പ്രഖ്യാപിച്ചു. കാസറഗോഡ് ജില്ലയിൽ അതിതീവ്ര മഴക്കും മറ്റുള്ളയിടങ്ങളിൽ അതിശക്തമായ മഴക്കുള്ള സാധ്യതയാണ് പ്രവചിക്കപ്പെട്ടിരിക്കുന്നത്. കഴിഞ്ഞ രണ്ട് ദിവസങ്ങളായി സംസ്ഥാനത്ത് ശക്തമായ മഴ തുടരുന്ന സാഹചര്യത്തിൽ അതിശക്തമായ മഴ അപകടങ്ങൾ സൃഷ്ടിച്ചേക്കാം. മലയോര മേഖലകളിൽ ഉരുൾപൊട്ടൽ സാധ്യതയും നദീതീരങ്ങളിലും താഴ്ന്ന പ്രദേശങ്ങളിൽ പ്രളയ സാധ്യതയും പ്രതീക്ഷിക്കുന്നു.

സംസ്ഥാന തലത്തിലും ജില്ലാ തലത്തിലും താലൂക്ക് തലത്തിലും പ്രത്യേക കൺട്രോൾ റൂമുകൾ ആരംഭിച്ചിട്ടുണ്ട്. അപകട സാധ്യതയുള്ള പ്രദേശങ്ങളിൽ കേന്ദ്ര സേനയെയും സംസ്ഥാനത്തെ വിവിധ സേനകളെയും മുൻകൂറായി വിന്യസിച്ചിട്ടുണ്ട്. മഴ മുന്നറിയിപ്പിന്റെ പശ്ചാത്തല...

[Read more](#)

2:57 PM

SEOC Fahad

SEOC Fahad

TEST.. TEST.... TEST.. MOCK DRILL 2022

മുഖ്യമന്ത്രിയുടെ ഓഫീസിനുള്ള കുറിപ്പ്...

Preliminary situation update to Chief Minister's Office

2:57 PM

Member Secretary

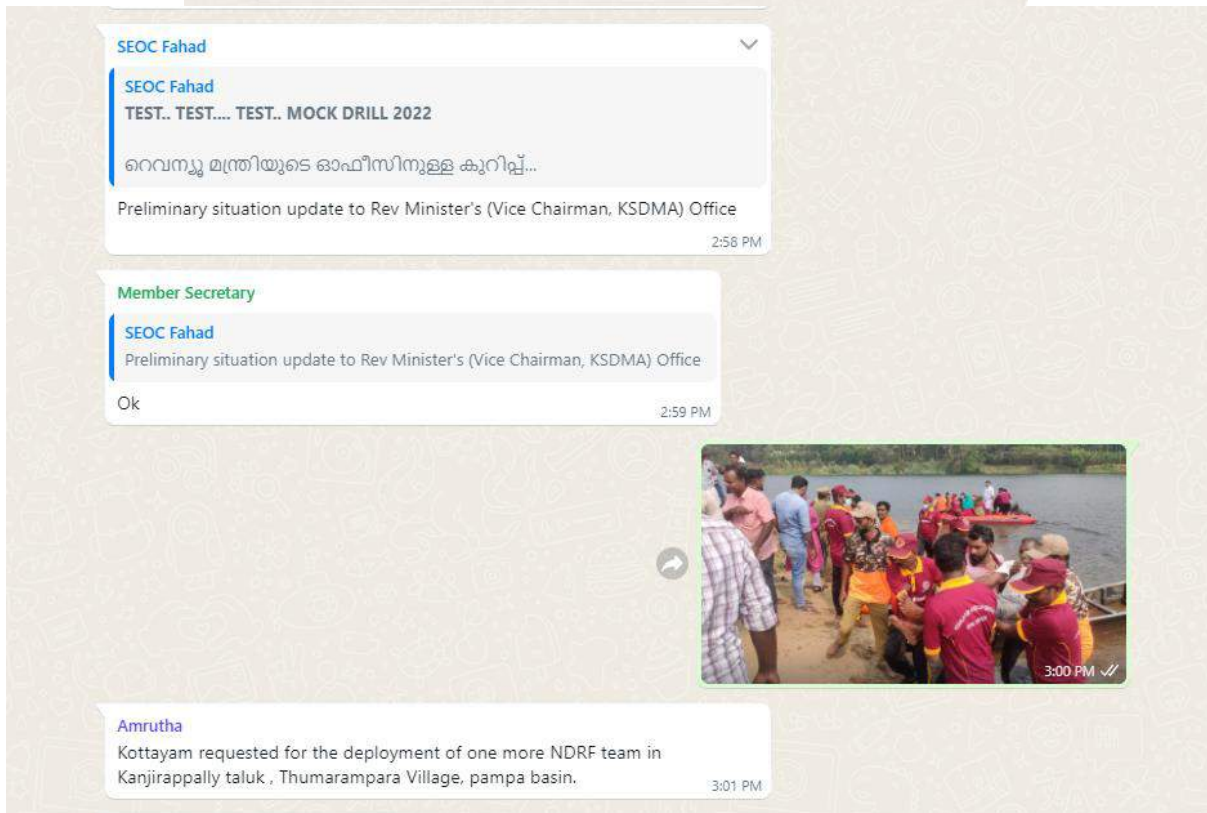
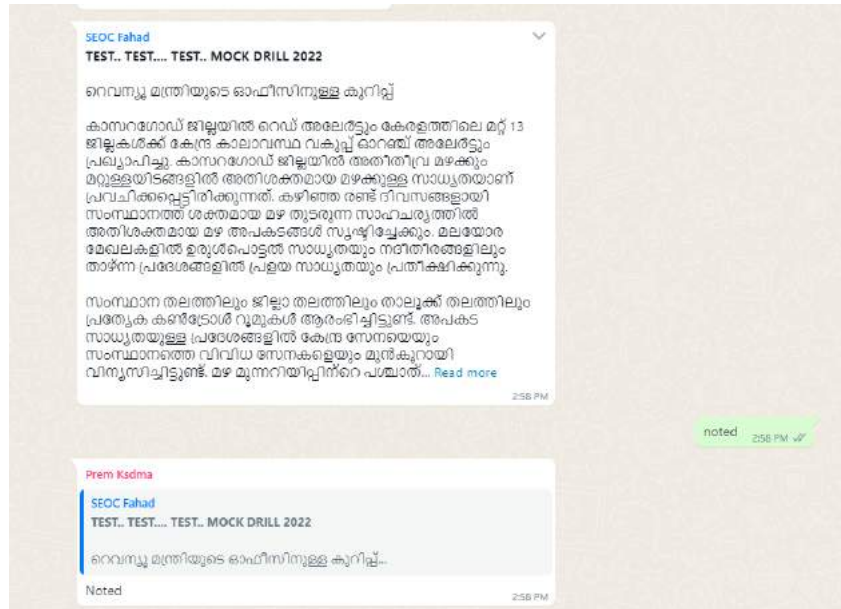
SEOC Fahad

Preliminary situation update to Chief Minister's Office

OK

2:57 PM







Amrutha

Kottayam requested for the deployment of one more NDRF team in Kanjirappally taluk , Thumarampara Village, pampa basin.

3:01 PM

Rajeevan Met

	Rainfall (mm)
Cherthala	80
Alappuzha	34.6
Nedumangad	7.8
Kanjirappali	7
Muvattupuzha	6.5
Vaikkam	6.2
Triprayar	6
Kozha	4.8
Mancompu	4.6
Ambalapuzha	4.4
Erattupetta	4
Eranakulam	3.6
Kochi naval Base	3.2
Kulamavu	1
Parappanagandi	1
Tem city	0.5

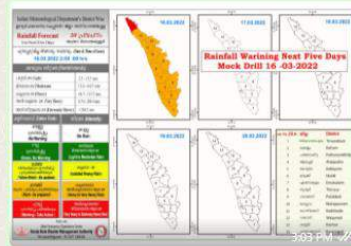
Rainfall last one hour

3:03 PM

TEST.. TEST. TEST.. MOCK DRILL 2022

കാസറഗോഡ് ജില്ലയിൽ റെയ് അലേർട്

തെക്ക് പടിഞ്ഞാറൻ അറബിക്കടലിൽ രൂപപ്പെട്ട ന്യൂന മർദ്ദം ശക്തി പ്രാപിക്കുന്നു. എല്ലാ ജില്ലകളിലും കഴിഞ്ഞ രണ്ടു ദിവസങ്ങളിൽ ലഭിച്ചു കൊണ്ടിരിക്കുന്ന മഴ ഇന്ന് ഉച്ചക്ക് ശേഷം അതിശക്തമാകാൻ സാധ്യത. കാസറഗോഡ് ജില്ലയിൽ അതി തീവ്ര മഴക്ക് സാധ്യതയുള്ളതിനാൽ റെയ് അലേർട് അലേർട് പ്രഖ്യാപിച്ചിരിക്കുന്നതായി കേന്ദ്ര കാലാവസ്ഥാ വകുപ്പ് അറിയിക്കുന്നു.



Lakshmi Hydro ksdma

TEST.. TEST.... TEST.. MOCK DRILL 2022

കാസറഗോഡ് ജില്ലയിൽ റെയ് അലേർട് പ്രഖ്യാപിച്ച സാഹചര്യത്തിൽ കരിയത്തോട് നദിയുടെ ജലനിരപ്പ് DANGER ലെവൽ കടന്നിരിക്കുന്നു.

3 :0 0 PM, 16 മാർച്ച് 2022

CWC-KSEOC - KSDMA

MOCK DRILL MESSAGE END

3:03 PM

Member Secretary

Amrutha

Kottayam requested for the deployment of one more NDRF team in Kanjirappally taluk , Thumarampara Village, pampa basin.

Wait

3:03 PM







**Mock Drill 16-03-2022**

കേരള കാലാവസ്ഥാ വ്യവസ്ഥാപന വകുപ്പിന്റെയും തദ്ദേശ സ്വയംഭരണ വകുപ്പിന്റെയും സംയുക്ത മോക്ക് ഡ്രിൽ

മുനിസിപ്പാലിറ്റി	15-03-2022	17-03-2022	18-03-2022	19-03-2022	20-03-2022
മുളം	00%	00%	00%	00%	00%
കുളം	00%	00%	00%	00%	00%
പാലക്കാട്	00%	00%	00%	00%	00%
തൃശ്ശൂർ	00%	00%	00%	00%	00%
മലപ്പുറം	00%	00%	00%	00%	00%
ഇടുക്കി	00%	00%	00%	00%	00%
കണ്യാശ്ശേരി	00%	00%	00%	00%	00%
മലപ്പുറം	00%	00%	00%	00%	00%
കോഴിക്കോട്	00%	00%	00%	00%	00%
കണ്യാശ്ശേരി	00%	00%	00%	00%	00%
കണ്യാശ്ശേരി	00%	00%	00%	00%	00%

എക്സിക്യൂട്ടീവ് ഓഫീസ്, കോഴിക്കോട്

3:06 PM

**Mock Drill 16-03-2022**

India Meteorological Department's District Rainfall Forecast

Date: 16-03-2022, Time: 2:59 hrs.

മുനിസിപ്പാലിറ്റി	17-03-2022	18-03-2022	19-03-2022	20-03-2022
മുളം	00%	00%	00%	00%
കുളം	00%	00%	00%	00%
പാലക്കാട്	00%	00%	00%	00%
തൃശ്ശൂർ	00%	00%	00%	00%
മലപ്പുറം	00%	00%	00%	00%
ഇടുക്കി	00%	00%	00%	00%
കണ്യാശ്ശേരി	00%	00%	00%	00%
മലപ്പുറം	00%	00%	00%	00%
കോഴിക്കോട്	00%	00%	00%	00%
കണ്യാശ്ശേരി	00%	00%	00%	00%
കണ്യാശ്ശേരി	00%	00%	00%	00%

3:06 PM

SEOC Susmi

Lakshmi Hydro ksdma

TEST.. TEST.. TEST.. MOCK DRILL 2022

മഴയുടെ അളവ് കൂടുന്ന സാഹചര്യത്തിൽ, അണക്കെട്ടുകളിലെ ജല നിരപ്പ് ഉയരുന്നതായി ...



Noted

3:07 PM

Forwarded

"Test, Test, Test... Flood Mock Drill 2022- Thrissur ... ഡാമുകളിലെ ജലനിരപ്പ് ഉയരുന്ന സാഹചര്യത്തിൽ ഡാം തുറക്കുന്ന സാധ്യത മുൻനിർത്തി പുഴയോരത്തു ഉള്ളവരെ മാറ്റി പാർപ്പിക്കുന്നതിനു നടപടി സ്വീകരിച്ചു.

...Mock Drill Message End"

3:08 PM

SEOC Neethu

Kottayam DEOC informed that, they need only one team.

3:08 PM

Member Secretary

SEOC Neethu

Kottayam DEOC informed that, they need only one team.

Ok

3:08 PM

You

"Test, Test, Test... Flood Mock Drill 2022- Thrissur ... ഡാമുകളിലെ ജലനിരപ്പ് ഉയരുന്ന സാഹചര്യത്തിൽ ഡാം തുറക്കുന്ന സാധ്യത മുൻനിർത്തി പുഴയോരത്തു ഉള്ളവരെ മാറ്റി പാർപ്പിക്കുന്നതിനു ...

"Test, Test, Test... Flood Mock Drill 2022-.

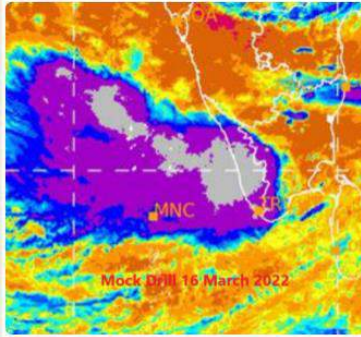
Message from Thrissur DEOC Thrissur

...Mock Drill Message End"

3:09 PM



Rajeevan Met



INSAT IMAGE \_JMD

3:10 PM

SEOC Fahad

TEST.. TEST.... TEST.. MOCK DRILL 2022

KSDMA - PRESS RELEASE

കേരളത്തിൽ വ്യാപകമായി അതിശക്തമായ മഴ ലഭിക്കുന്ന സാഹചര്യമാണുള്ളത്. പൊതുജനങ്ങൾ അതീവ ജാഗ്രത തുടരണം. കാസറഗോഡ് ജില്ലയിൽ റെയ് അലേർട്ടും കേരളത്തിലെ മറ്റ് 13 ജില്ലകൾക്ക് കേന്ദ്ര കാലാവസ്ഥ വകുപ്പ് ഓറഞ്ച് അലേർട്ടും പ്രഖ്യാപിച്ചു. കാസറഗോഡ് ജില്ലയിൽ അതീവ മഴക്കും മറ്റുള്ളയിടങ്ങളിൽ അതിശക്തമായ മഴക്കുള്ള സാധ്യതയാണ് പ്രവചിക്കപ്പെട്ടിരിക്കുന്നത്. കഴിഞ്ഞ രണ്ട് ദിവസങ്ങളായി സംസ്ഥാനത്ത് ശക്തമായ മഴ തുടരുന്ന സാഹചര്യത്തിൽ അതിശക്തമായ മഴ അപകടങ്ങൾ സൃഷ്ടിച്ചേക്കാം. മലയോര മേഖലകളിൽ ഉരുൾപൊട്ടൽ സാധ്യതയും നദീതീരങ്ങളിലും താഴ്ന്ന പ്രദേശങ്ങളിൽ പ്രളയ സാധ്യതയും പ്രതീക്ഷിക്കുന്നു.

ജലനിരപ്പ് അപകടകരമായ രീതിയിൽ ഉയരുന്ന സാഹചര്യത്തിൽ അച്ചൻകോവിൽ, കല്ലട, പമ്പ, ചാലക്കുടി, മണിമല, ചാലിയാർ, വളപട്ടണം, നെയ്യാർ, തരിയൻകോട്, കോരപ്പുഴ എന്നീ നദികളിൽ കേന്ദ്ര ജലകമ്മീഷൻ പ്രളയ സാധ്യത മുന്നറിയിപ്പ് പുറപ്പെടുവിച്ചിട്ടുണ്ട്. തിരുവനന്തപുരം ജില്ലയിൽ നെയ്യാറ്റിൻകര മുൻസിപ്പാലിറ്റി, കൊല്ലം ജില്ലയിൽ വെസ്റ്റ് കല്ലട ഗ്രാമ പഞ്ചായത്ത്, പത്തനംതിട്ട ജില്ലയിൽ പന്തളം മുൻസിപ്പാലിറ്റി, ആലപ്പുഴ ജില്ലയിൽ തിരുവണ്ടൂർ ഗ്രാമ പഞ്ചായത്ത്, എറണാകുളം ജില്ലയിൽ പുത്തൻവേലിക്കര ഗ്രാമ പഞ്ചായത്ത്, തൃശ്ശൂർ ജില്ലയിൽ ചാലക്കുടി താലൂക്കിലെ അനമന്നട ഗ്രാമ പഞ്ചായത്ത്, മലപ്പുറം ജില്ലയിൽ കിഴുപറമ്പ് ഗ്രാമ പഞ്ചായത്ത്, കോഴിക്കോട് ജില്ലയിൽ കോഴിക്കോട് കോർപ്പറേഷൻ, കണ്ണൂർ ജില്ലയിൽ എരഞ്ഞോളി ഗ്രാമ പഞ്ചായത്ത്, കാസറഗോഡ് ജില്ലയിൽ ചെറുവത്തൂർ ഗ്രാമപഞ്ചായത്ത് എന്നീ തദ്ദേശ സ്ഥാപനങ്ങളിൽ ജലനിരപ്പ് ഉയരുന്ന സാഹചര്യമുള്ളത് കൊണ്ട് ആളുകളെ സുരക്ഷിതമായ സ്ഥാനത്തേക്ക് മാറ്റിയിട്ടുണ്ട്. സംസ്ഥാന തലത്തിലും ജില്ലാ തലത്തിലും താലൂക്ക് തലത്തിലും പ്രത്യേക കൺട്രോൾ റൂമുകൾ ആരംഭിച്ചിട്ടുണ്ട്. അപകട സാധ്യതയുള്ള പ്രദേശങ്ങളിൽ കേന്ദ്ര സേനയെയും സംസ്ഥാനത്തെ വിവിധ സേനകളെയും മുൻകൂറായി വിന്യസിച്ചിട്ടുണ്ട്. മഴ മുന്നറിയിപ്പിന്റെ പശ്ചാത്തലത്തിൽ മുൻകൂറായി രുതിതശ്വാസ ക്യാമ്പുകൾ സജ്ജീകരിച്ചിട്ടുണ്ട്. ശക്തമായ മഴ ലഭിക്കുന്ന പ്രദേശങ്ങളിൽ ആളുകളെ സുരക്ഷ മുൻനിർത്തി ക്യാമ്പുകളിലേക്ക് മാറ്റുന്ന പ്രവർത്തനം സംസ്ഥാനത്ത് പുരോഗമിക്കുന്നു. ക്യാമ്പുകളിൽ ആവശ്യമായ വൈദ്യ സഹായം ഉറപ്പ് വരുത്തിയിട്ടുണ്ട്. മലയോര മേഖലയിൽ ശക്തമായ മഴ തുടരുന്ന സാഹചര്യത്തിൽ ഉരുൾപൊട്ടൽ സാധ്യത കൂടുതലാണ്. ആയതിനാൽ മലയോര മേഖലയിലേക്ക് ഗതാഗത നിയന്ത്രണം ഏർപ്പെടുത്തിയിട്ടുണ്ട്.

14 ക്ഷീപുകളിലും ശക്തമായ മഴ ലഭിക്കുന്നുണ്ടെങ്കിലും അനിഷ്ട സംഭവങ്ങളൊന്നും ഇതുവരെ റിപ്പോർട്ട് ചെയ്യപ്പെട്ടിട്ടില്ല.

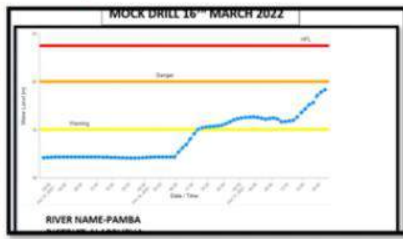
പുറപ്പെടുവിച്ച സമയം - 3.10 PM, 16/03/2022

MOCK DRILL MESSAGE END

3:10 PM



Lakshmi Hydro ksdma



TEST.. TEST.. TEST.. MOCK DRILL 2022  
കേന്ദ്ര ജല കമ്മീഷന്റെ അറിയിപ്പ് പ്രകാരം \* പമ്പ \* നദിയിലെ ജലനിരപ്പ് DANGER LEVEL യിലേക്ക് അടുക്കുകയാണ്.  
3:08PM, 16 മാർച്ച് 2022  
MOCK DRILL MESSAGE END

3:11 PM

SEOC Fahad

SEOC Fahad

TEST.. TEST.... TEST.. MOCK DRILL 2022

KSDMA - PRESS RELEASE ...

Preliminary information to Media

3:11 PM

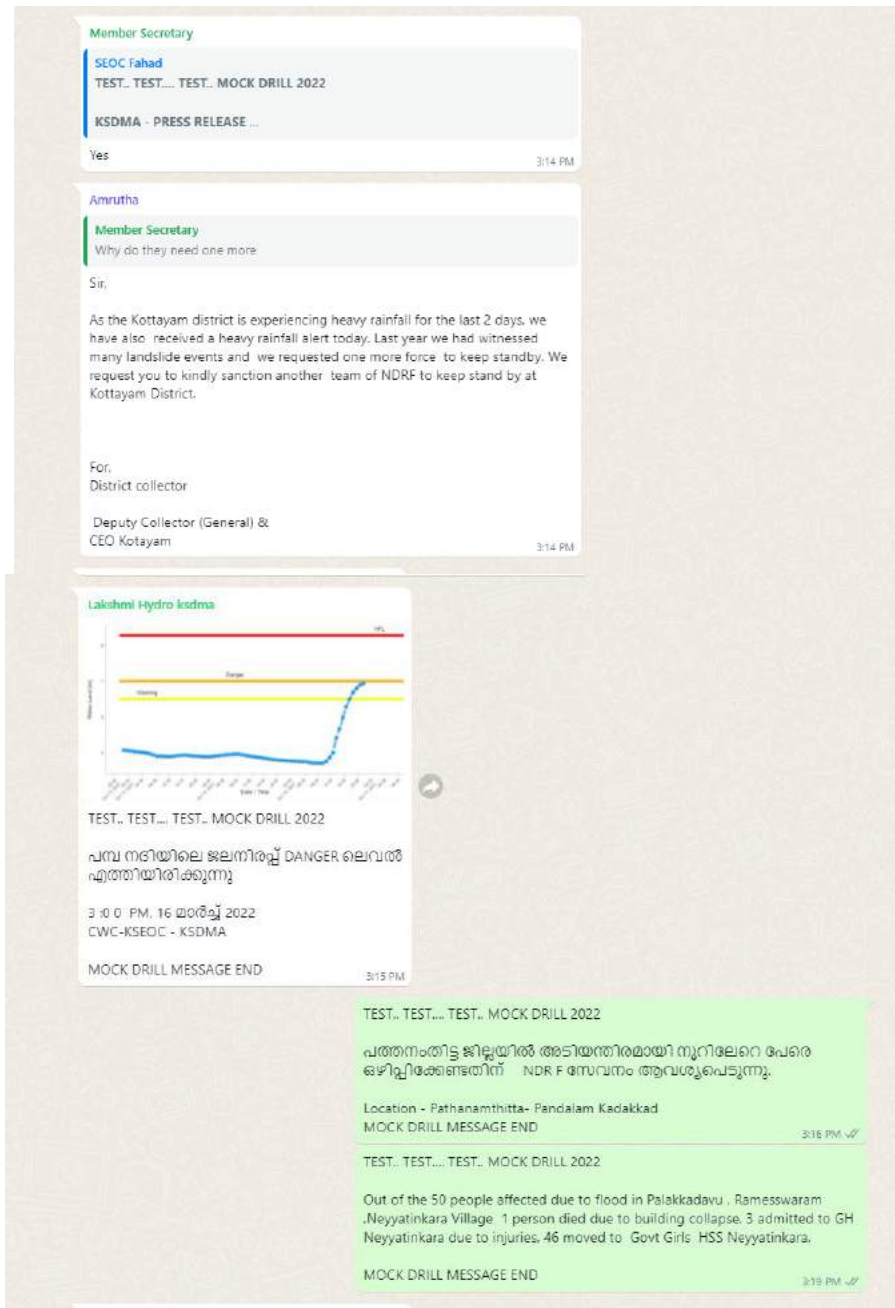
Lakshmi Hydro ksdma

MOCK DRILL 16th MARCH 2022													
Sl. No.	Name of Dam / Reservoir	Slack	HR (mm)	HR (mm)	HR (mm)	HR (mm)	HR (mm)	HR (mm)	HR (mm)	HR (mm)	HR (mm)	HR (mm)	HR (mm)
1	...	...	...	...	...	...	...	...	...	...	...	...	...
2	...	...	...	...	...	...	...	...	...	...	...	...	...
3	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	...	...	...	...	...	...	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...	...	...	...	...	...	...
17	...	...	...	...	...	...	...	...	...	...	...	...	...
18	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...	...	...	...	...	...	...
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	...	...	...	...	...	...	...	...	...	...	...	...	...
26	...	...	...	...	...	...	...	...	...	...	...	...	...
27	...	...	...	...	...	...	...	...	...	...	...	...	...
28	...	...	...	...	...	...	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...	...	...	...	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...	...	...

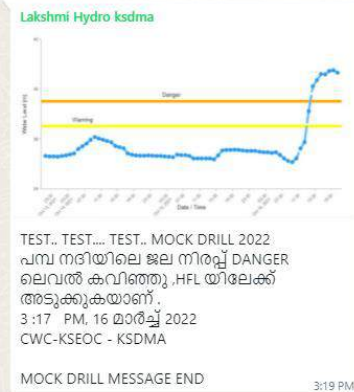
TEST.. TEST.. TEST.. MOCK DRILL 2022  
മഴയുടെ അളവ് കൂടുന്ന സാഹചര്യത്തിൽ , അണക്കെട്ടുകളിലെ ജല നിരപ്പ് ഉയരുന്നതായി കാണപ്പെടുന്നു. നിലവിൽ കക്കി അണക്കെട്ടിലെ ജലനിരപ്പ് ജ്ഞ അലൈർ കടന്നു. ഷോളയാർ അണക്കെട്ടിലെ ജലനിരപ്പ് ഓറഞ്ച് അലൈർ കടന്നു.  
മാട്ടുപെട്ടി,കുണ്ടള,കല്ലാർകുട്ടി, പെരിങ്ങൽകുത് അണക്കെട്ടുകളിൽ ജലനിരപ്പ് റെഡ് അലൈർ കടന്നു  
3:12 PM, 16 മാർച്ച് 2022  
KSEBL-KSEOC - KSDMA  
MOCK DRILL MESSAGE END

3:13 PM









**TEST.. TEST.... TEST.. MOCK DRILL 2022**

ഇടുക്കി ജില്ലയിൽ വാഴത്തോപ്പ് പഞ്ചായത്ത് ഉരുൾപൊട്ടൽ ഉണ്ടായിട്ടുള്ളതായി ഇടുക്കി DEOC അറിയിച്ചു. രണ്ട് പേർക്ക് പരിക്കേറ്റിട്ടുണ്ട്. പാലം തകർന്നതിനാൽ രക്ഷാപ്രവർത്തനത്തിനായി ETF ന്റെ സേവനം ഇടുക്കി DDMA ആവശ്യപ്പെട്ടിട്ടുണ്ട്.

MOCK DRILL MESSAGE END 3:20 PM ✓✓

**Member Secretary**

**You**

**TEST.. TEST.... TEST.. MOCK DRILL 2022**

ഇടുക്കി ജില്ലയിൽ വാഴത്തോപ്പ് പഞ്ചായത്ത് ഉരുൾപൊട്ടൽ ...

Ok 3:21 PM

**HRA Pradeep Official**

ബിറ്റു മുരളി നവാറോ അമ്മാരിറ്റി, ഇടുക്കി ജില്ലാ ഏരിയൽ സൂപ്പർവൈസർ, റവീൻ ബ്ലോക്ക്, പൊന്തപുരം, കെ.എസ്.പി. - 0959000

മൊബൈൽ: 9447033000

www: 0483 23351, 23350, ഫാക്സ്: 0483233510/030

Test, test, test ....Mock Drill 2022 ---

**PDF KSDMA (2).PDF**

1 page • PDF • 221 kB 3:21 PM

**Amrutha**

**TEST...TEST...TEST..MOCKDRILL 2022**

To  
Station Commander  
Pangode Military Camp  
Thiruvananthapuram

Sir,  
Sub: Requesting Humanitarian Assistance - deployment of one ETF team to Idukki- reg  
Ref:DCIDK/2335/2021/DM (2) dated 16.03.2022

The situation is grim in Kerala. Flooding and minor landslides are being reported from various districts of the State. Considering the situation, we request the assistance of one ETF team at Idukki district.



Please treat this matter as urgent and kindly share the team leader's details with KSDMA.

Yours faithfully

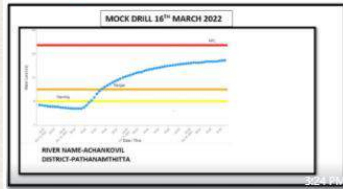
Head SEOC

MOCKDRILL MESSAGE END

3:23 PM

Sir, pls approve 3:23 PM

Lakshmi Hydro ksdma



TEST.. TEST... TEST.. MOCK DRILL 2022

പത്തനംതിട്ട ജില്ലയിലെ അച്ചൻകോവിൽ നദിയിലെ ജലനിരപ്പ്

WARNING ലെവൽ കടന്നിരിക്കുന്നു

3 :17 PM, 16 മാർച്ച് 2022

CWC-KSEOC - KSDMA

MOCK DRILL MESSAGE END

3:24 PM

Lakshmi Hydro ksdma

MOCK DRILL WATER MARCH 2022											
Water Level											
Sl. No.	Name of Dam / Reservoir	District	Full Reservoir Level (meters)	Gate Storage (m³)	Blue Level	Yellow Level	Red Level	Today's Water Level (meters)	Today's Storage (m³)	% Storage against Full Gate Storage	Condition (m³ / sec)
1	Varkol	Thiruvananthapuram	45.48	14.11	45.48	45.48	45.48	45.48	100%	100%	4.20
2	Chalappur	Thiruvananthapuram	114.00	11.10	114.00	114.00	114.00	114.00	100%	100%	1.11
3	Chinnam	Thiruvananthapuram	76.40	10.00	76.40	76.40	76.40	76.40	100%	100%	10.11
4	Pooch	Thiruvananthapuram	76.15	14.01	76.15	76.15	76.15	76.15	100%	100%	10.10
5	Pooch	Thiruvananthapuram	100.20	10.10	100.20	100.20	100.20	100.20	100%	100%	4.10
6	Kadavil	Kannur	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
7	Thiruvananthapuram	Thiruvananthapuram	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
8	Thiruvananthapuram	Thiruvananthapuram	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
9	Thiruvananthapuram	Thiruvananthapuram	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
10	Thiruvananthapuram	Thiruvananthapuram	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
11	Thiruvananthapuram	Thiruvananthapuram	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
12	Thiruvananthapuram	Thiruvananthapuram	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
13	Thiruvananthapuram	Thiruvananthapuram	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
14	Thiruvananthapuram	Thiruvananthapuram	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
15	Thiruvananthapuram	Thiruvananthapuram	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
16	Thiruvananthapuram	Thiruvananthapuram	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
17	Thiruvananthapuram	Thiruvananthapuram	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
18	Thiruvananthapuram	Thiruvananthapuram	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
19	Thiruvananthapuram	Thiruvananthapuram	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
20	Thiruvananthapuram	Thiruvananthapuram	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00

Lakshmi Hydro ksdma

MOCK DRILL WATER MARCH 2022											
Water Level											
Sl. No.	Name of Dam / Reservoir	District	Full Reservoir Level (meters)	Gate Storage (m³)	Blue Level	Yellow Level	Red Level	Today's Water Level (meters)	Today's Storage (m³)	% Storage against Full Gate Storage	Condition (m³ / sec)
17	Kadavil	Kannur	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
18	Kadavil	Kannur	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
19	Kadavil	Kannur	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00
20	Kadavil	Kannur	117.00	10.00	117.00	117.00	117.00	117.00	100%	100%	10.00

TEST.. TEST.. TEST.. MOCK DRILL 2022

മഴയുടെ അളവ് കൂടുന്ന സാഹചര്യത്തിൽ, അണക്കെട്ടുകളിലെ ജല നിരപ്പ് ഉയരുന്നതായി കാണപ്പെടുന്നു. നിലവിൽ ചുള്ളിയാർ

പീപ്പിനെയോർ അണക്കെട്ടുകളിൽ ജലനിരപ്പ് റെഡ് അലേർട്ട്

കടന്നു

3:25PM, 16 മാർച്ച് 2022

IRRIGATION-KSEOC - KSDMA

MOCK DRILL MESSAGE END

3:26 PM

Amrutha

TEST...TEST...TEST..MOCKDRILL 2022

Informed all DDMA to utilise the IDRN portal resource inventory.

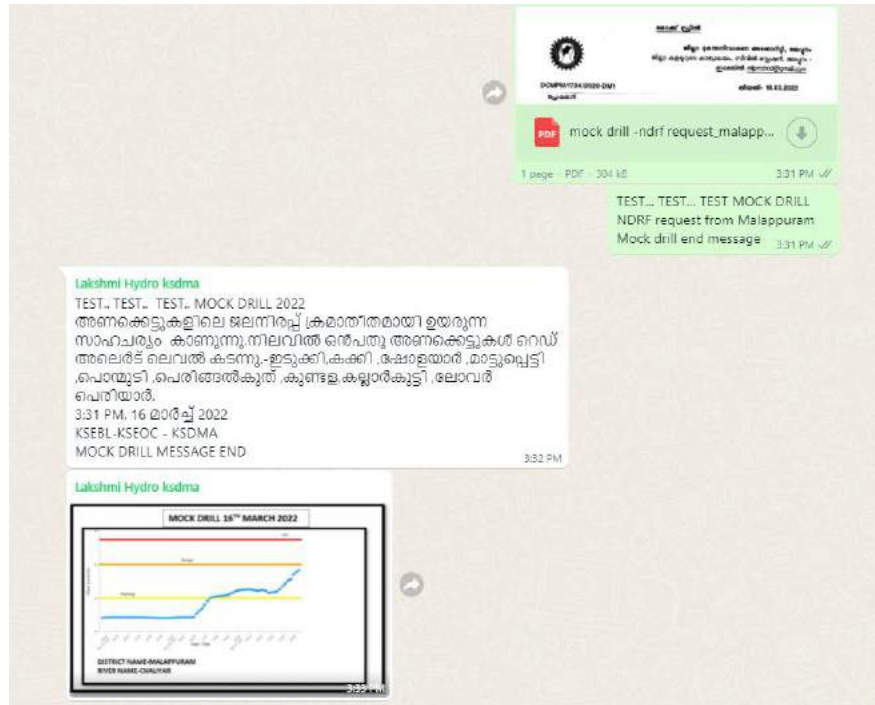
TEST...TEST...TEST..MOCKDRILL 2022

3:26 PM









Forwarded

TEST.. TEST.... TEST.. MOCK DRILL 2022  
വാർത്താക്കുറിപ്പ് 6  
2022 മാർച്ച് 16 ഉച്ചകഴിഞ്ഞ് 3.25 മണി  
ജില്ലാ ഇൻഫർമേഷൻ ഓഫീസ്, കോട്ടയം

84 പേർ സുരക്ഷിതകേന്ദ്രത്തിൽ;  
രക്ഷാപ്രവർത്തനം അവസാനിച്ചു

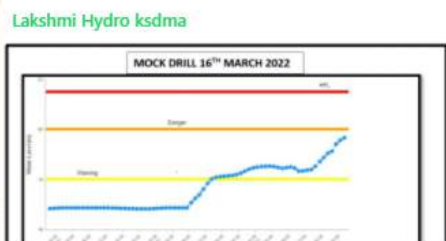
കോട്ടയം: എരുമേലി തുമരംപാറയിൽ ഉരുൾ പൊട്ടലിനെത്തുടർന്ന് സ്ത്രീകളും കുട്ടികളും അടക്കം 84 പേരെ സുരക്ഷിത കേന്ദ്രത്തിലേക്കു മാറ്റി. തുമരംപാറ ട്രൈബൽ എൽ.പി. സ്കൂളിനു സമീപമാണ് ഉരുൾ പൊട്ടലുണ്ടായത്. സർക്കാർ സംവിധാനം സമയോചിതമായി ഇടപെട്ട രക്ഷാപ്രവർത്തനം നടത്തിയതിനാൽ ആളുപായം ഉണ്ടായില്ല. പര്യടന നാലു പേരെ മുക്കുട്ടുതറ അസ്സീസി ആശുപത്രിയിൽ പ്രവേശിപ്പിച്ചു. ഇവരുടെ നില ഗുരുതരമല്ല. പൊലീസ്, ഫയർഫോഴ്സ്, ആരോഗ്യവകുപ്പ്, റവന്യൂ അടക്കം വിവിധ വകുപ്പുകൾ, എരുമേലി പഞ്ചായത്ത്, സിവിൽ ഡിഫൻസ് ടീ... [Read more](#)

3:35 PM ✓✓

Lakshmi Hydro ksdma

TEST.. TEST.. TEST.. MOCK DRILL 2022  
കേന്ദ്ര ജല കമ്മീഷന്റെ അറിയിപ്പ് പ്രകാരം \*ചാലിയാർ\* നദിയിലെ ജലനിരപ്പ് DANGER LEVEL യിലേക്ക് അടുക്കുകയാണ്.  
3:34 PM, 16 മാർച്ച് 2022  
CWC-KSEOC - KSDMA  
MOCK DRILL MESSAGE END

3:35 PM





TEST.. TEST.. TEST.. MOCK DRILL 2022  
 കേന്ദ്ര ജല കമ്മീഷന്റെ അറിയിപ്പ് പ്രകാരം \* മണിമല \* നദിയിലെ  
 ജലനിരപ്പ് DANGER LEVEL യിലേക്ക് അടുക്കുകയാണ്.  
 3:36 PM, 16 മാർച്ച് 2022  
 CWC-KSEOC - KSDMA  
 MOCK DRILL MESSAGE END

3:37 PM

Amrutha

TEST...TEST...TEST..MOCKDRILL 2022

To

DDMA chairman  
 Ernakulam

Kindly arrange 2 bus and one truck for the navy officers, for the team who are  
 moving from ernakulam to Idukki district.

MOCK DRILL MESSAGE END

3:37 PM

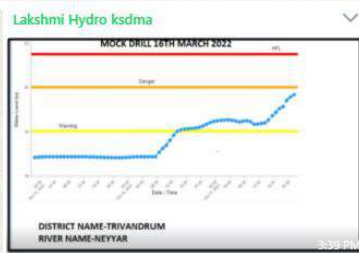
SEOC Athulya

Lakshmi Hydro ksdma

TEST.. TEST.. TEST.. MOCK DRILL 2022  
 കേന്ദ്ര ജല കമ്മീഷന്റെ അറിയിപ്പ് പ്രകാരം \* മണിമല \* നദിയിലെ  
 ജലനിരപ്പ് DANGER LEVEL യിലേക്ക് അടുക്കുകയാണ്....

Noted

3:38 PM



Chandini

Capture.PNG

PNG - 43 kb

3:40 PM

Lakshmi Hydro ksdma

TEST.. TEST.. TEST.. MOCK DRILL 2022

കേന്ദ്ര ജല കമ്മീഷന്റെ അറിയിപ്പ് പ്രകാരം \* നെയ്യാർ \* നദിയിലെ  
 ജലനിരപ്പ് DANGER LEVEL യിലേക്ക് അടുക്കുകയാണ്.  
 3:40 PM, 16 മാർച്ച് 2022  
 CWC-KSEOC - KSDMA  
 MOCK DRILL MESSAGE END

3:40 PM

Amrutha

District	Mock Drill 2022	16.03.2022, 3:40 PM
Thiruvananthapuram	One NDRF team on the way, 2 team police, 5 team fire force	Further deployment
Kollam	One NDRF team on the way, 2 team police, 5 team fire force	
Pathanamthitta	Two NDRF team, 4 team police, 5 team fire force	
Alappuzha	One NDRF team on the way, 4 team police, 5 team fire force	
Kuttanad	One NDRF team on the way, 2 team police, 5 team fire force	
Idukki	One RTF team on the way One NDRF team, 4 team police, 5 team fire force	
Ernakulam	One NDRF team, 2 team police, 5 team fire force	
Thiruvananthapuram	One NDRF team, 4 team police, 2 team fire force	
Pathanamthitta	One NDRF team, 2 team police, 5 team fire force	
Malappuram	One NDRF team on the way, 2 team police, 5 team fire force	
Kozhikode	One NDRF team, 2 team police, 5 team fire force	
Wayanad	One NDRF team, 2 team police, 5 team fire force	
Kannur	One NDRF team, 4 team police, 5 team fire force	
Kasaragod	One NDRF team, 4 team police, 5 team fire force	



SEOC Neethu

TEST.. TEST.. TEST.. MOCK DRILL 2022

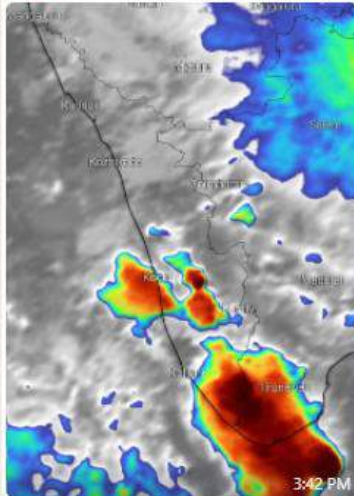
Incoming call from idukki Deoc, and informed that 7 minor casualties reported and they shifted to hospital..

Search operation is in progress with JCB

MOCK DRILL MESSAGE END

3:41 PM

Rajeevan Met



Rajeevan Met

Rajeevan Met

Photo



EUMETSAT image

3:42 PM

EUMETSAT image

3:42 PM



From Alappuzha DEOC

3:42 PM



Amrutha

TEST...TEST...TEST..MOCKDRILL 2022

Kindly update the situation report in the NDEM portal.

MOCKDRILL MESSAGE END

3:42 PM

Lakshmi Hydro ksdma

MOCK DRILL 16<sup>TH</sup> MARCH 2022

Sl. No.	Name of Dam / Reservoir	State of	FFL (meters)	Line Storage at FFL (MCM)	Peak level (meters)	Blue level (meters)	Change level (meters)	Red level (meters)	Water level (meters)	Line Storage at FFL (MCM)	Line Storage at Line Storage at FFL (MCM)	Spillway release (m³/sec)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	ADAM	DK	240.0	850.00	238.0	238.0	238.0	238.0	238.0	238.0	238.0	40.00
2	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
3	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
4	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
5	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
6	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
7	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
8	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
9	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
10	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
11	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
12	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
13	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
14	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
15	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
16	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
17	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
18	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
19	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00
20	ADAMALAYAR	DK	90.00	500.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	0.00

Lakshmi Hydro ksdma

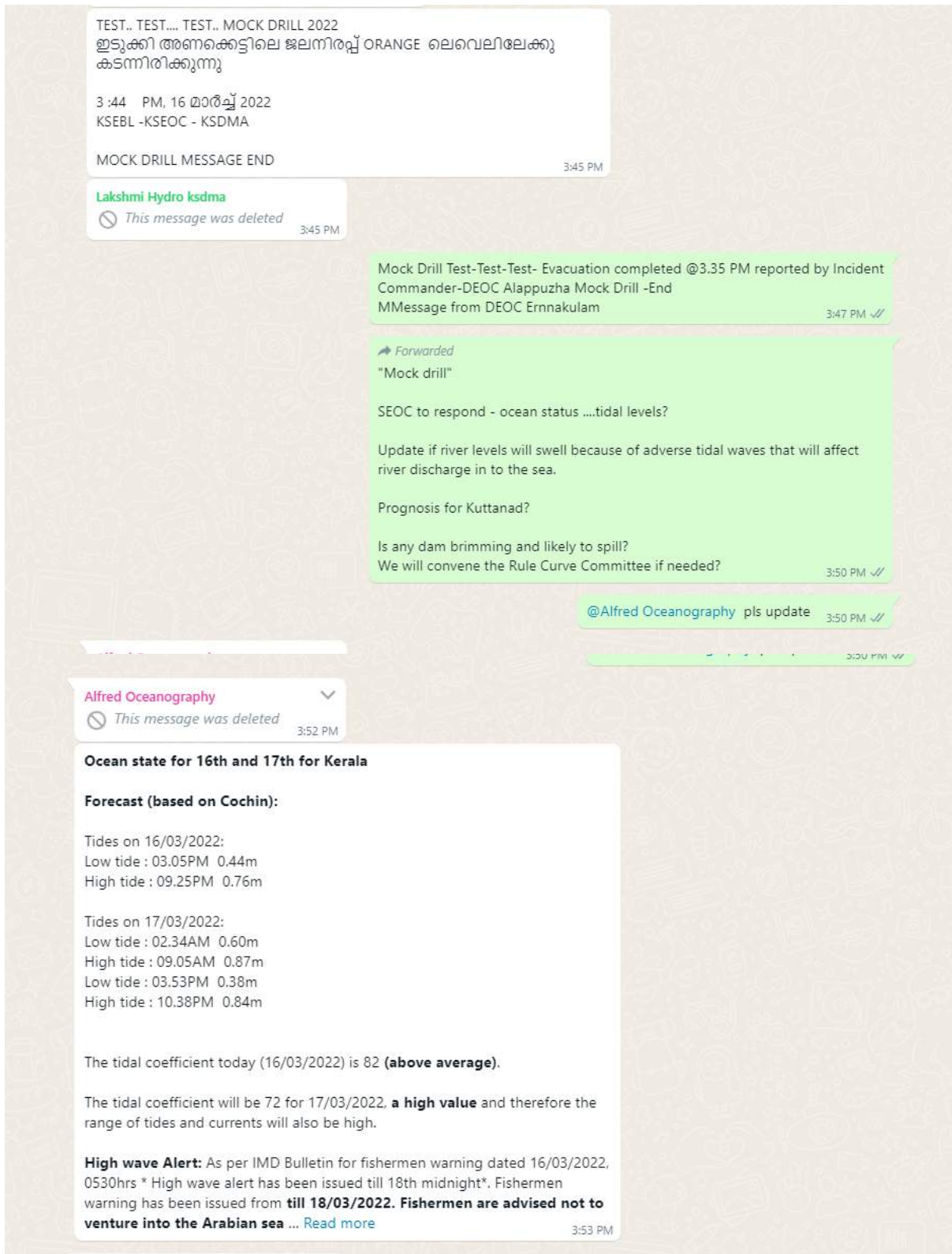
ADAM	DK	250	4.95			250.00	250.00	4.95	100.00%
ADAM	DK	250	4.95			250.00	250.00	4.95	100.00%
ADAM	DK	250	4.95			250.00	250.00	4.95	100.00%
ADAM	DK	250	4.95			250.00	250.00	4.95	100.00%
ADAM	DK	250	4.95			250.00	250.00	4.95	100.00%
ADAM	DK	250	4.95			250.00	250.00	4.95	100.00%
ADAM	DK	250	4.95			250.00	250.00	4.95	100.00%
ADAM	DK	250	4.95			250.00	250.00	4.95	100.00%
ADAM	DK	250	4.95			250.00	250.00	4.95	100.00%
ADAM	DK	250	4.95			250.00	250.00	4.95	100.00%

TEST.. TEST.... TEST.. MOCK DRILL 2022

ഇടുക്കി അണക്കെട്ടിലെ ജലനിരപ്പ് ORANGE ലെവെലിലേക്കു കടന്നിരിക്കുന്നു

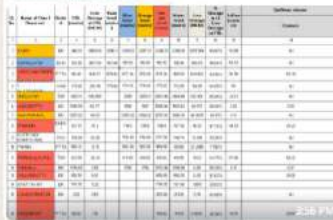
3:44 PM, 16 മാർച്ച് 2022  
KSEBL -KSEOC - KSDMA



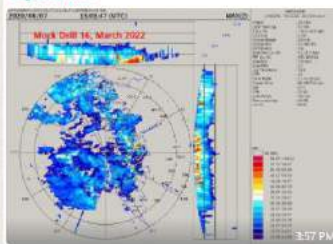




3:53 PM



3:57 PM



3:57 PM



3:57 PM

3:58 PM

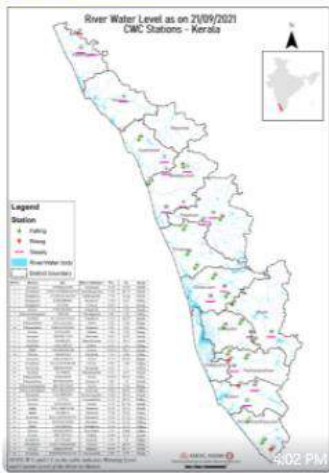




Mock Drill 2022, 18.03.2022, 4:00 PM		
Driver	Focus deployment	
Therese/Stephanie	Our NDRF team, 1 team police, 5 team fire force	
Kellen	Our NDRF team, 2 team police, 4 team fire force	
Marlene/Brigitte	Two NDRF team, 4 team police, 5 team fire force	
Allypache	Our NDRF team, 6 team police, 4 team fire force	
Roberta	Our NDRF team, 1 team police, 4 team fire force	
Thomas	Our EIT team, Our NDRF team, 2 team police, 5 team fire force	
Emmanuel	Our NDRF team, 4 team police, 5 team fire force	
Julien	Our NDRF team, 6 team police, 5 team fire force	
Pauline	Our NDRF, 4 team police, 5 team fire force	
Melanyann	Our NDRF, 4 team police, 5 team fire force	
Stephane	Our NDRF team, 2 team police, 5 team fire force	
Wayana	Our NDRF team, 4 team police, 5 team fire force	
Ramon	Our NDRF team, 4 team police, 5 team fire force	
Renata/ed	Our NDRF team, 4 team police, 5 team fire force	

*Call Centre, Satellite team, and NDRF are required*

4:02 PM



4:03 PM

4:06 PM

61 | State Wide Field Mock Exercise | Report | Kerala



Lakshmi Hydro ksdma

TEST.. TEST.... TEST.. MOCK DRILL 2022

നദിതടങ്ങളിലെ ജലനിരപ്പ് കുറയുന്നതായി കാണപ്പെടുന്നു

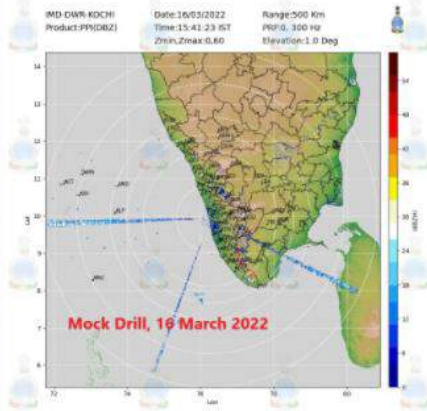
4:00 PM, 16 മാർച്ച് 2022

CWC -KSEOC - KSDMA

MOCK DRILL MESSAGE END

4:10 PM

Rajeevan Met



Intensity of rainfall reducing for all Districts. Radar Image

4:12 PM

TEST.. TEST.... TEST.. MOCK DRILL 2022

As per the data from IMD and other private weather agencies Automated weather stations near real time weather data, The intensity of Rainfall has decreased across Kerala in the last 30 Minutes. And as per the Radar and Satellite imagery, Rainfall may further reduce in coming hours.

Met Team - KSEOC

MOCK DRILL MESSAGE END

4:13 PM

Lakshmi Hydro ksdma

TEST TEST TEST MOCK DRILL 2022അച്ചൻകോവിൽ, കല്ലട, പമ്പ, ചാലക്കുടി, മണിമല, ചാലിയാർ, വളപട്ടണം, നെയ്യാർ, തരിയൻകോട്, കോരപ്പുഴ എന്നീ നദികളിലെ ജലനിരപ്പ് അപകടകരമായ സാഹചര്യത്തിൽ നിന്നും താഴേക്കു കടന്നിരിക്കുന്നു

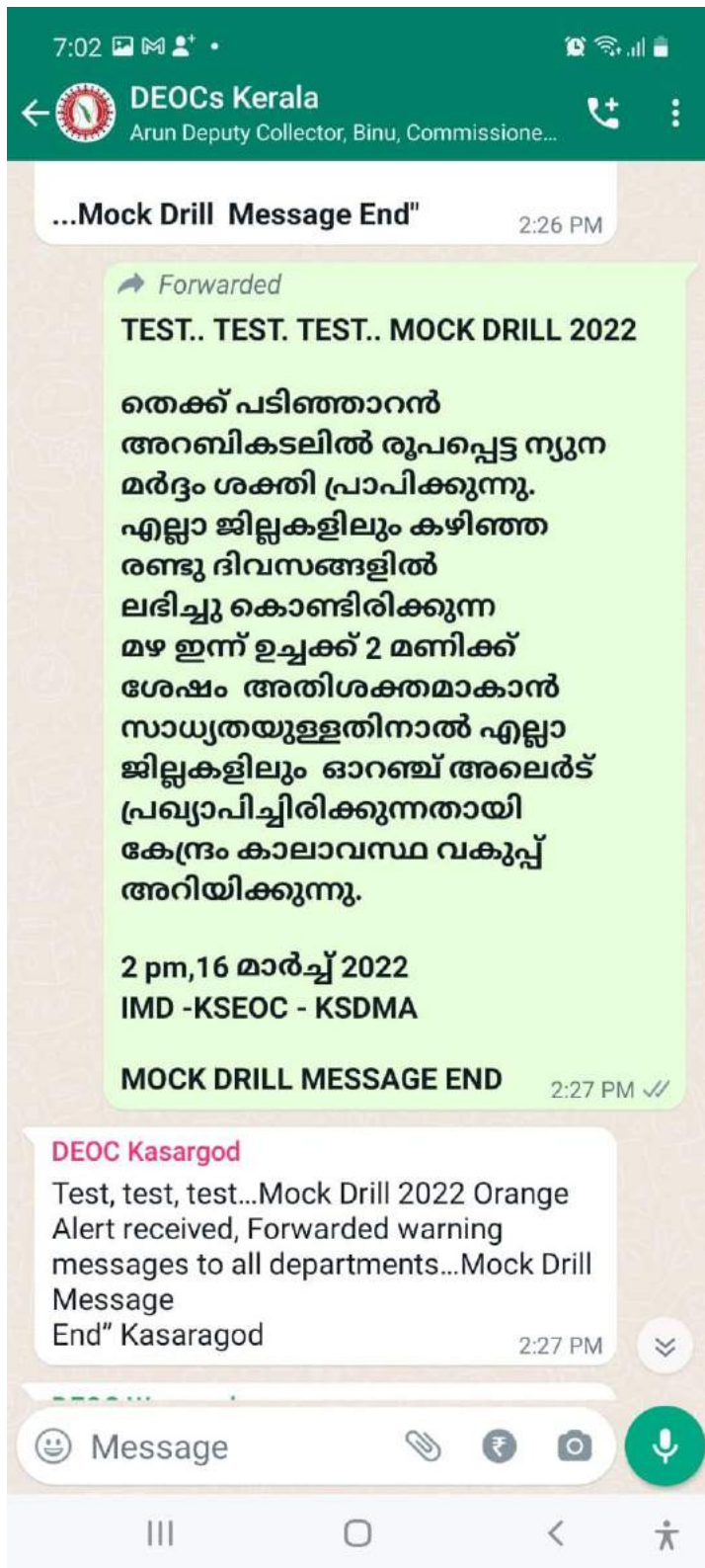
4:15 PM



## WhatsApp correspondence in DEOC group



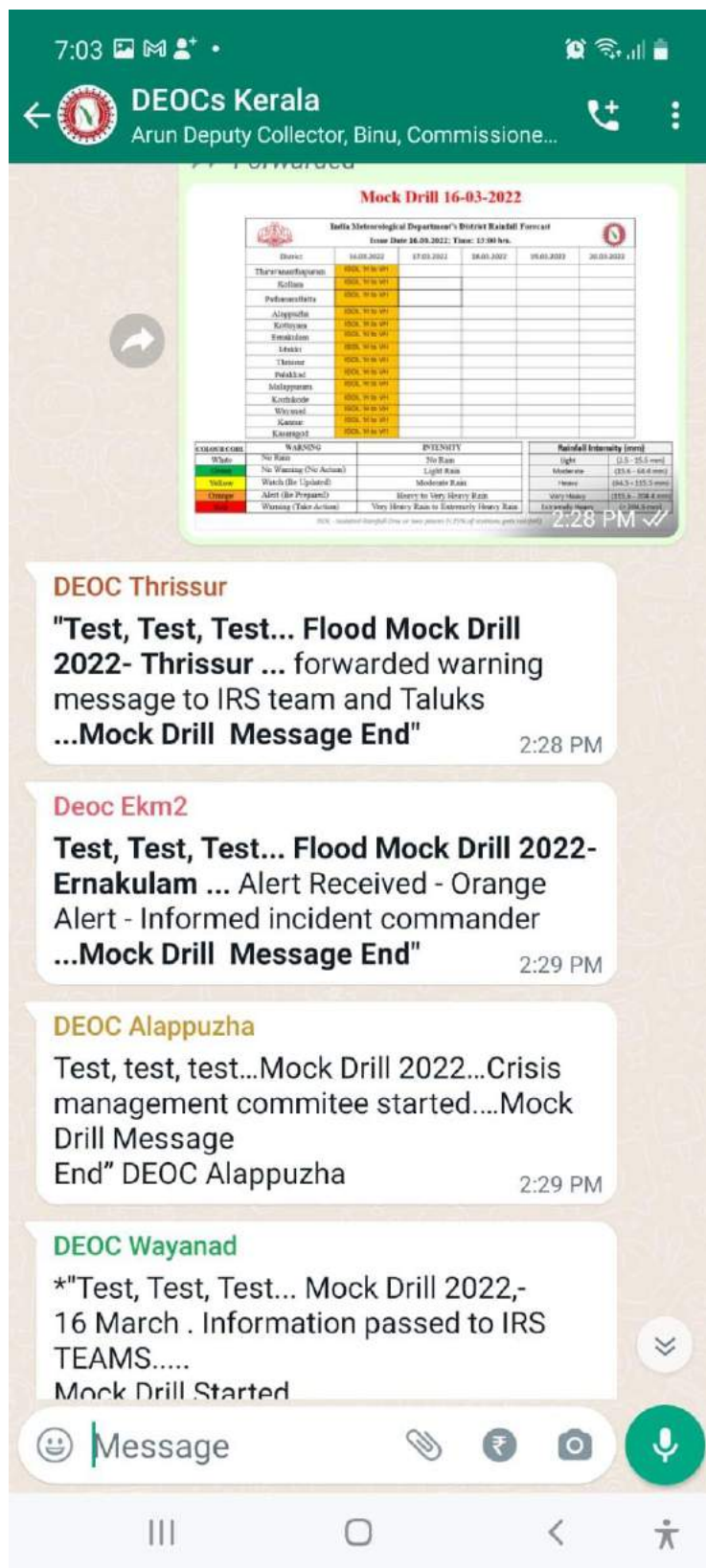








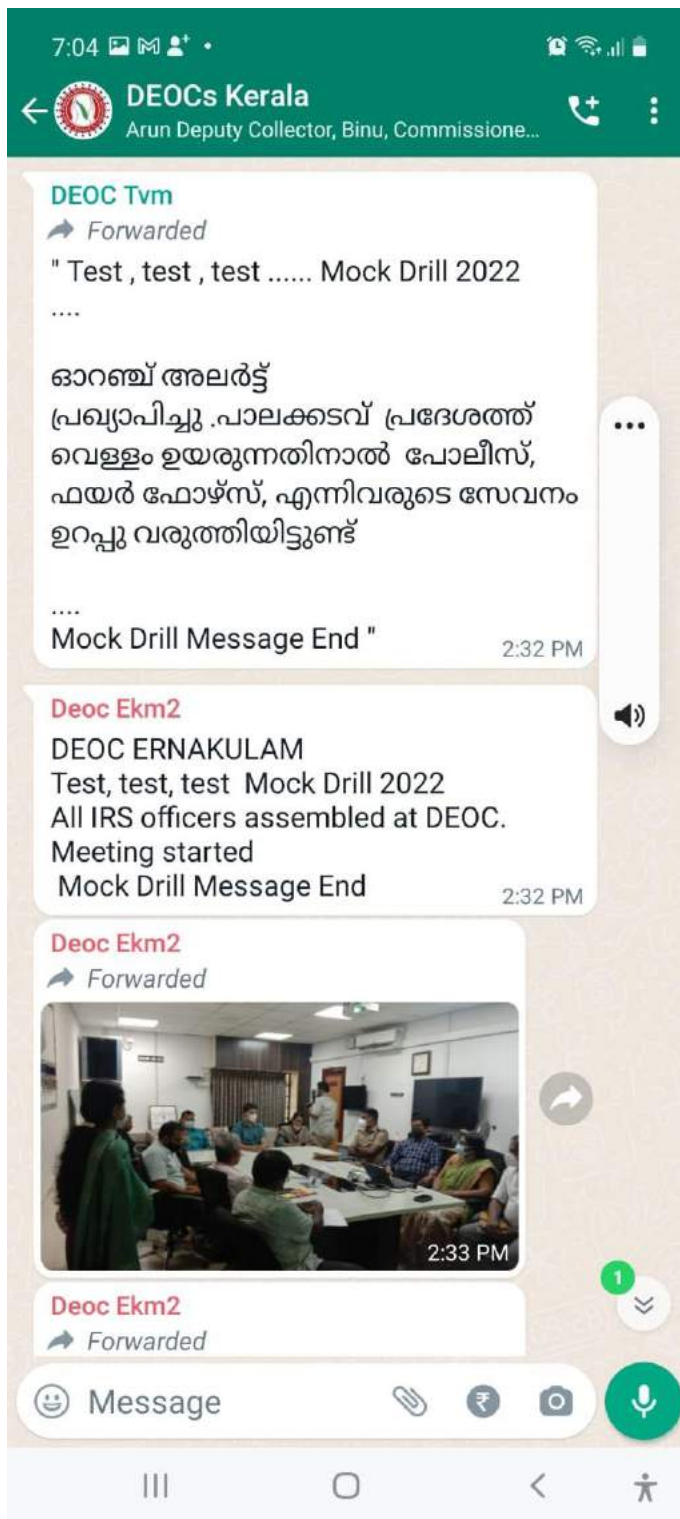




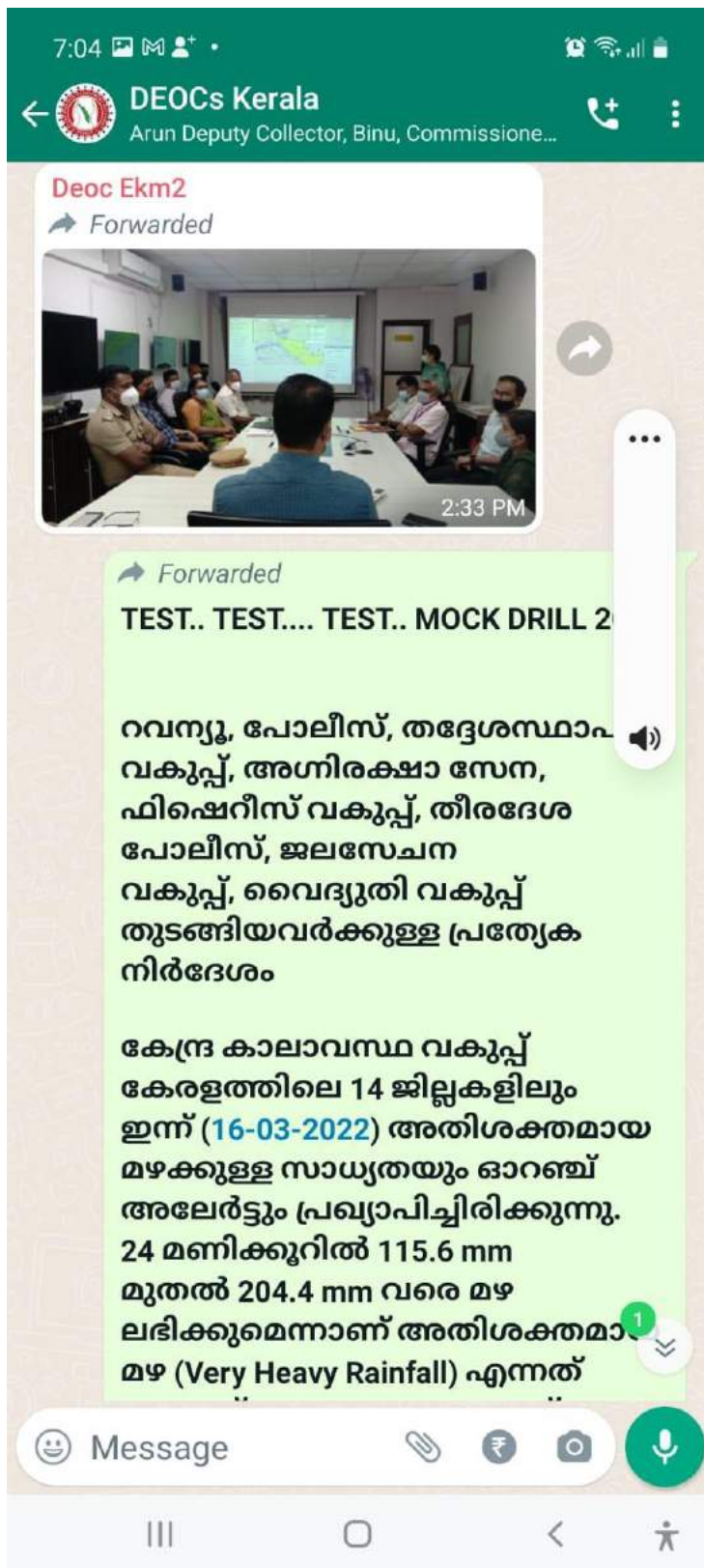




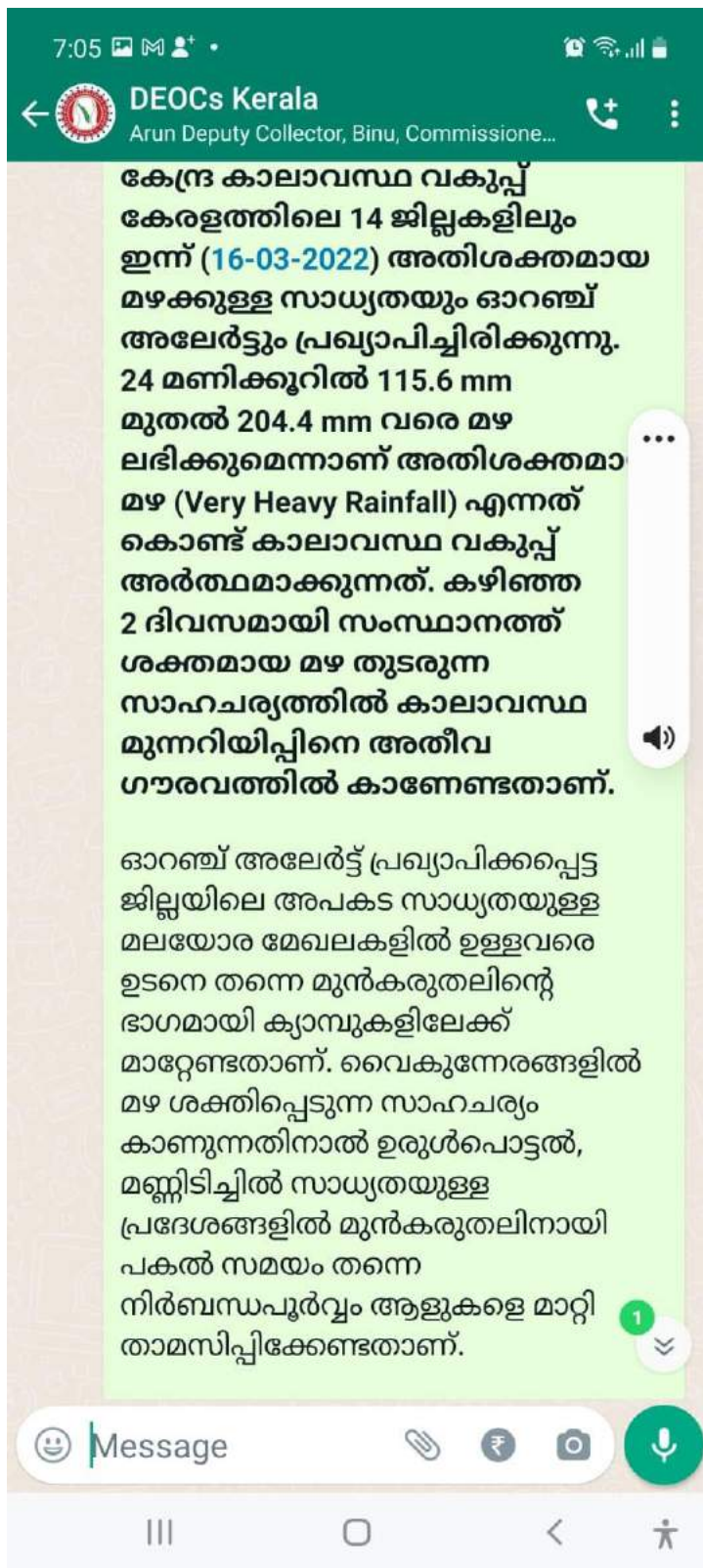




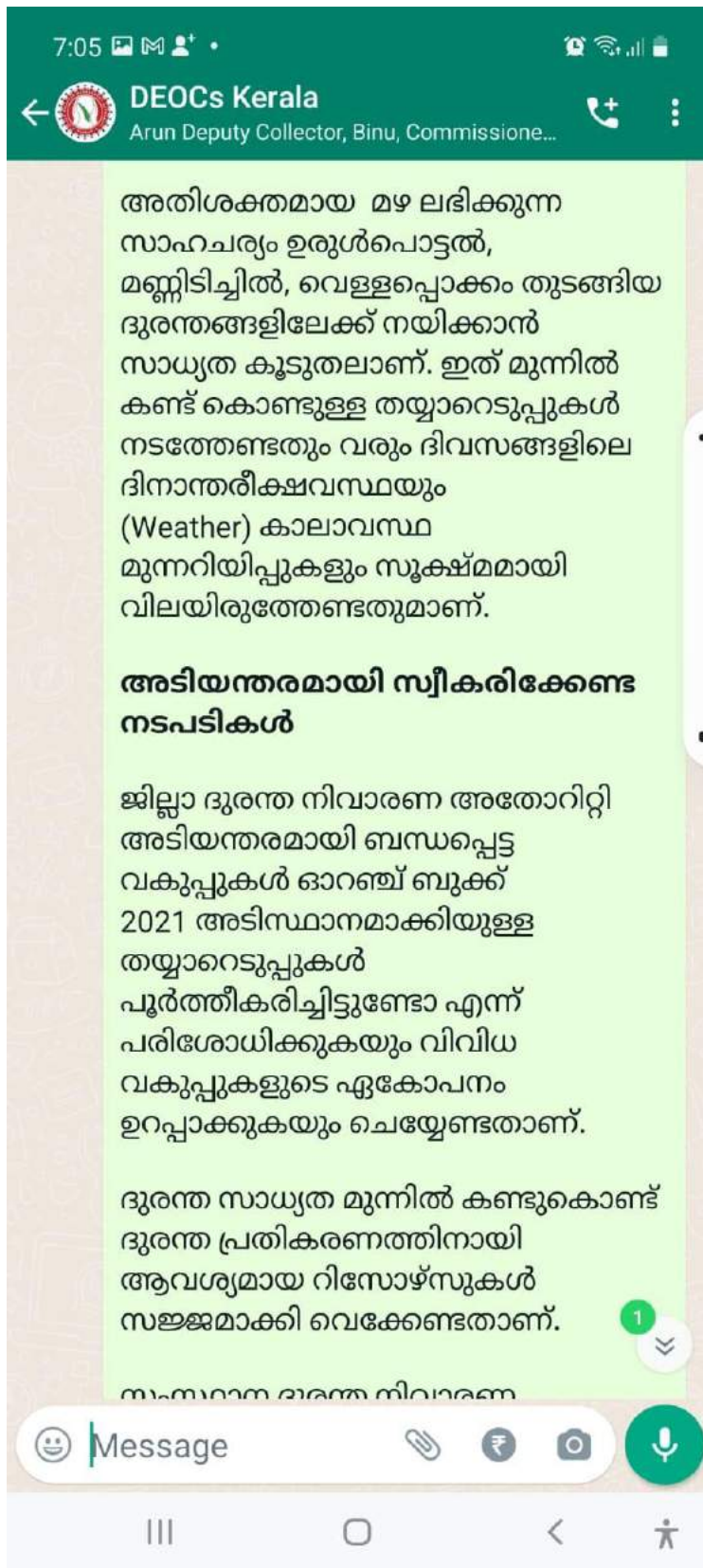




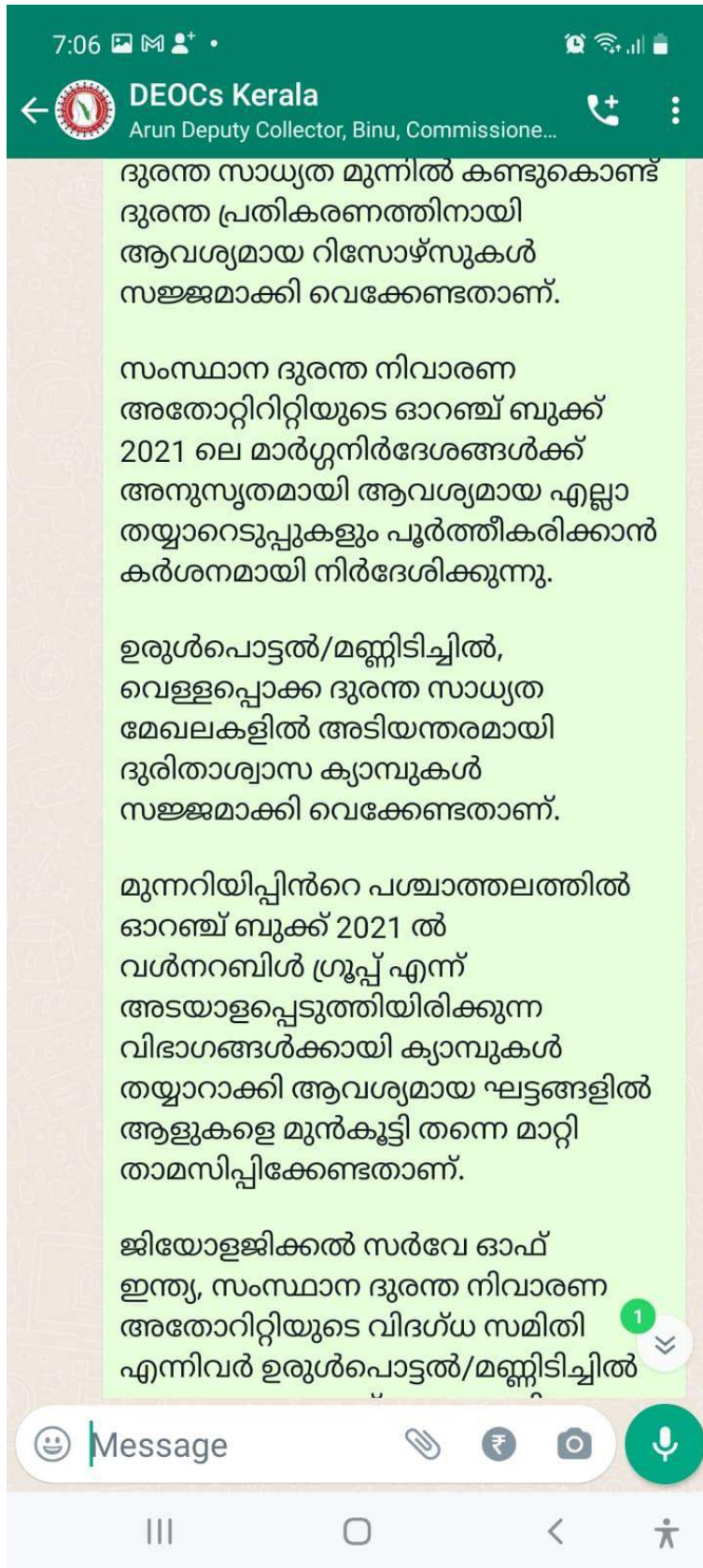




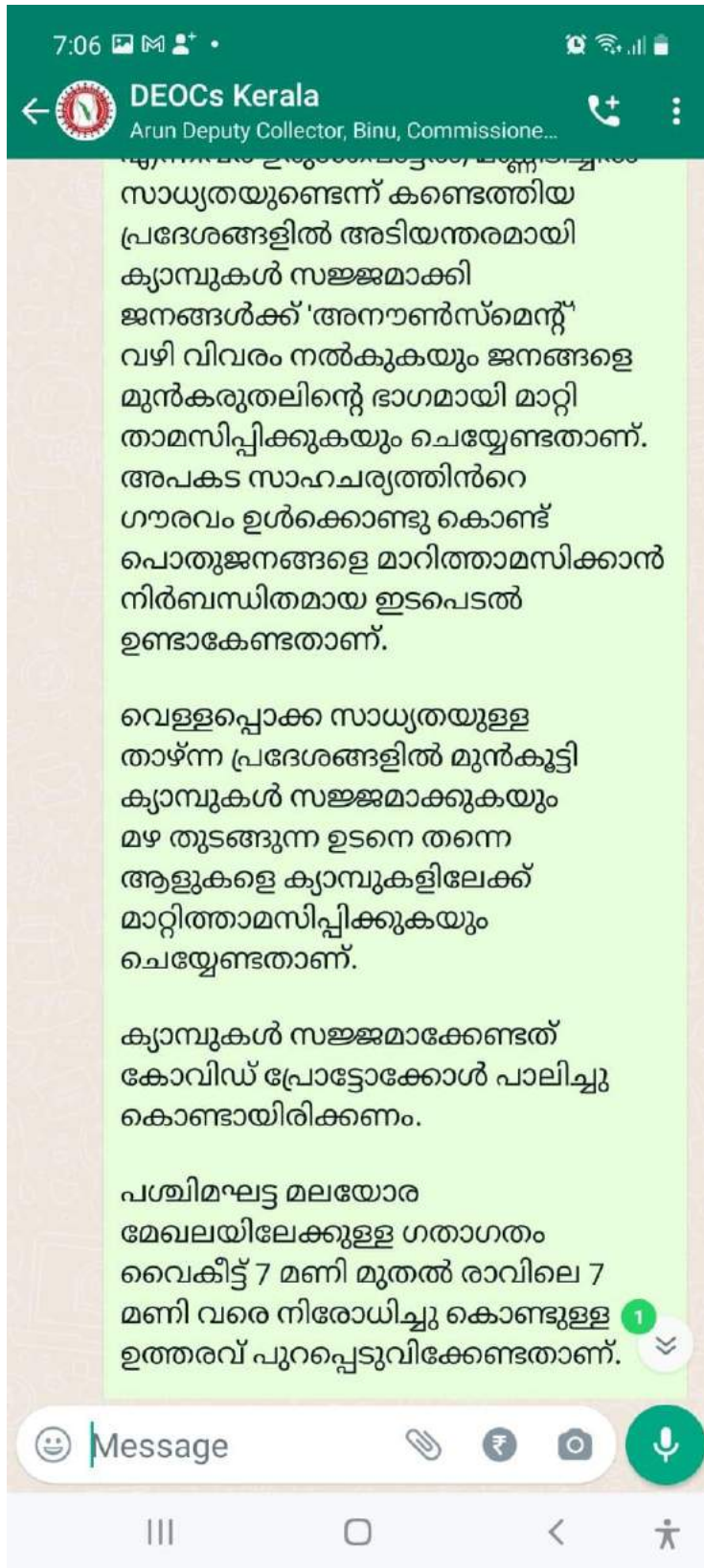




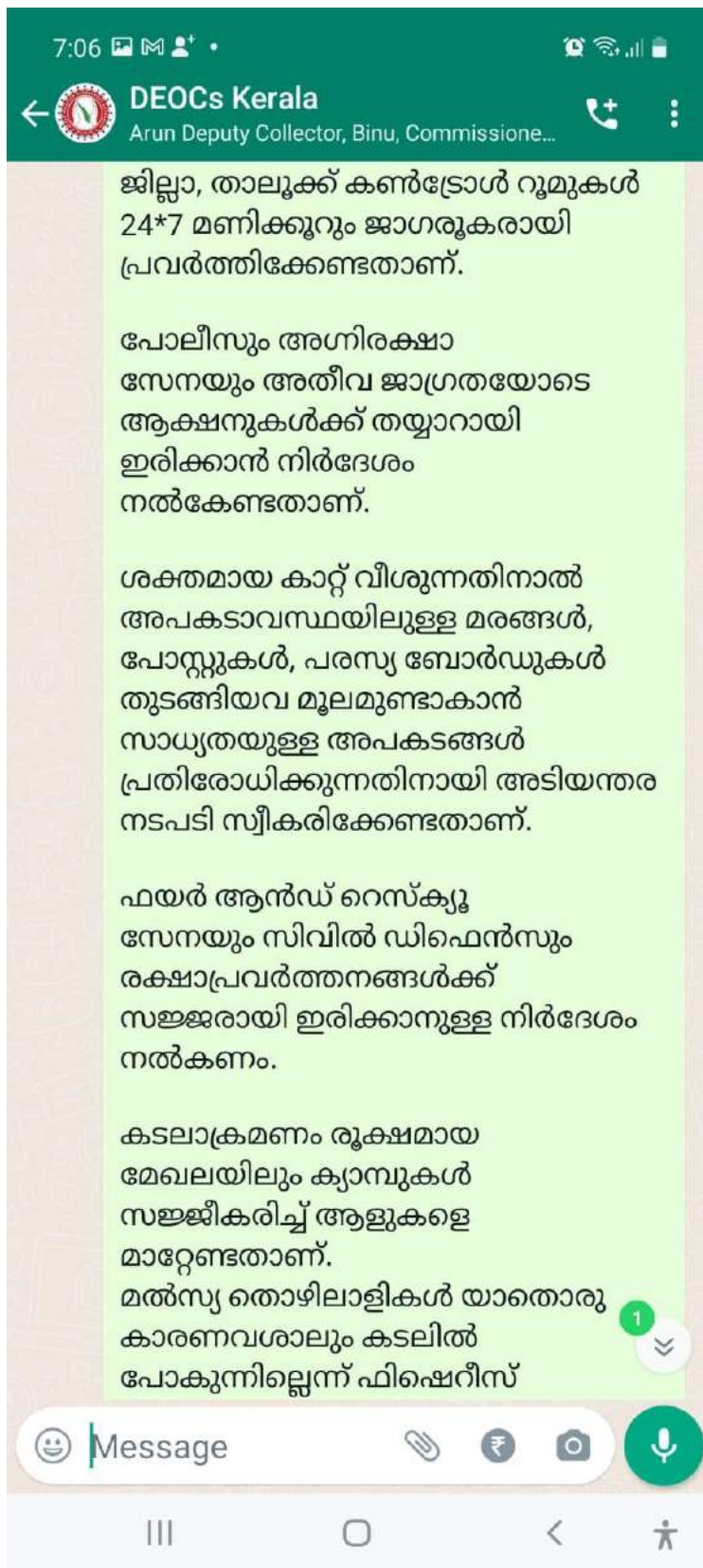












ജില്ലാ, താലൂക്ക് കൺട്രോൾ റൂമുകൾ  
24\*7 മണിക്കൂറും ജാഗരൂകരായി  
പ്രവർത്തിക്കേണ്ടതാണ്.

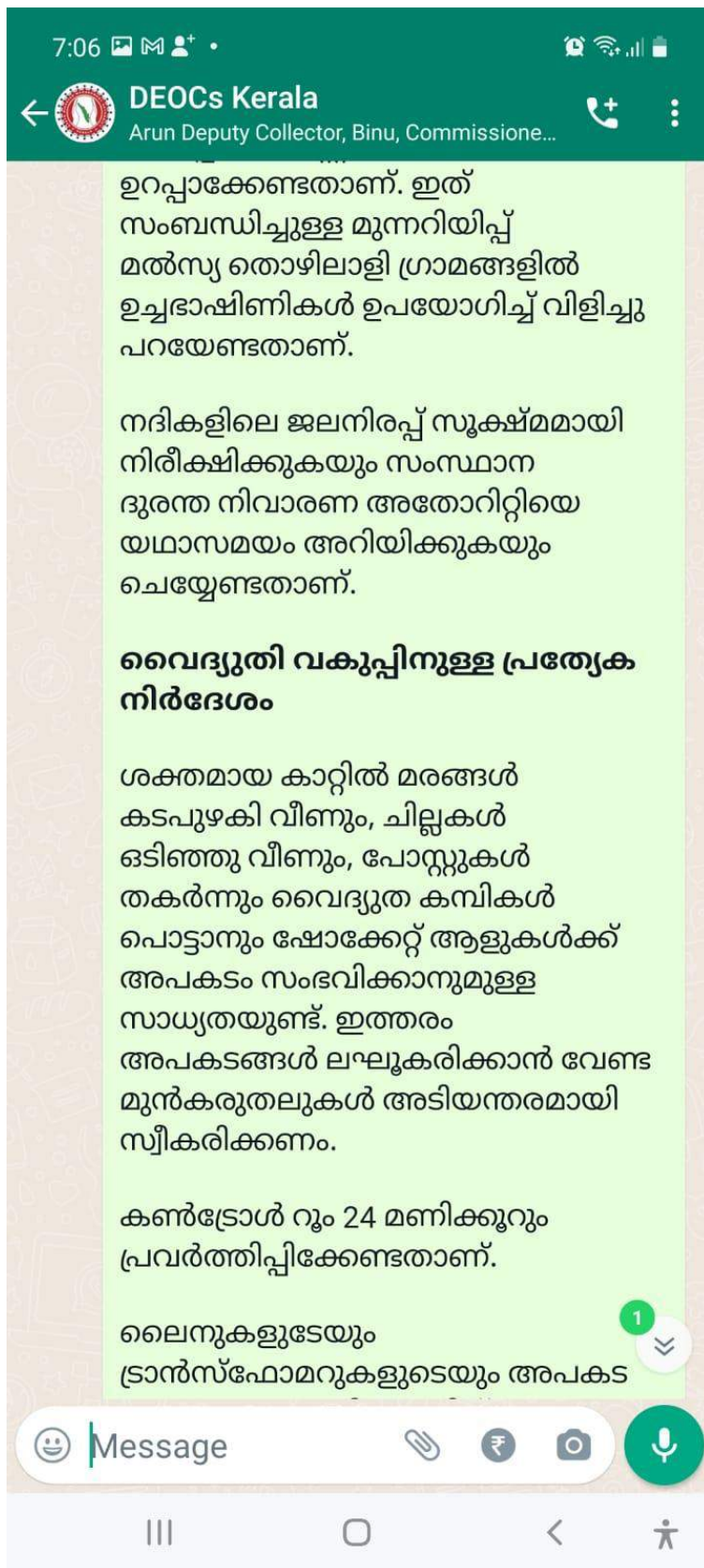
പോലീസും അഗ്നിരക്ഷാ  
സേനയും അതീവ ജാഗ്രതയോടെ  
ആക്ഷനുകൾക്ക് തയ്യാറായി  
ഇരിക്കാൻ നിർദ്ദേശം  
നൽകേണ്ടതാണ്.

ശക്തമായ കാറ്റ് വീശുന്നതിനാൽ  
അപകടാവസ്ഥയിലുള്ള മരങ്ങൾ,  
പോസ്റ്റുകൾ, പരസ്യ ബോർഡുകൾ  
തുടങ്ങിയവ മൂലമുണ്ടാകാൻ  
സാധ്യതയുള്ള അപകടങ്ങൾ  
പ്രതിരോധിക്കുന്നതിനായി അടിയന്തര  
നടപടി സ്വീകരിക്കേണ്ടതാണ്.

ഫയർ ആൻഡ് റെസ്ക്യൂ  
സേനയും സിവിൽ ഡിഫെൻസും  
രക്ഷാപ്രവർത്തനങ്ങൾക്ക്  
സജ്ജരായി ഇരിക്കാനുള്ള നിർദ്ദേശം  
നൽകണം.

കടലാക്രമണം രൂക്ഷമായ  
മേഖലയിലും ക്യാമ്പുകൾ  
സജ്ജീകരിച്ച് ആളുകളെ  
മാറ്റേണ്ടതാണ്.  
മത്സ്യ തൊഴിലാളികൾ യാതൊരു  
കാരണവശാലും കടലിൽ  
പോകുന്നില്ലെന്ന് ഫിഷറീസ്





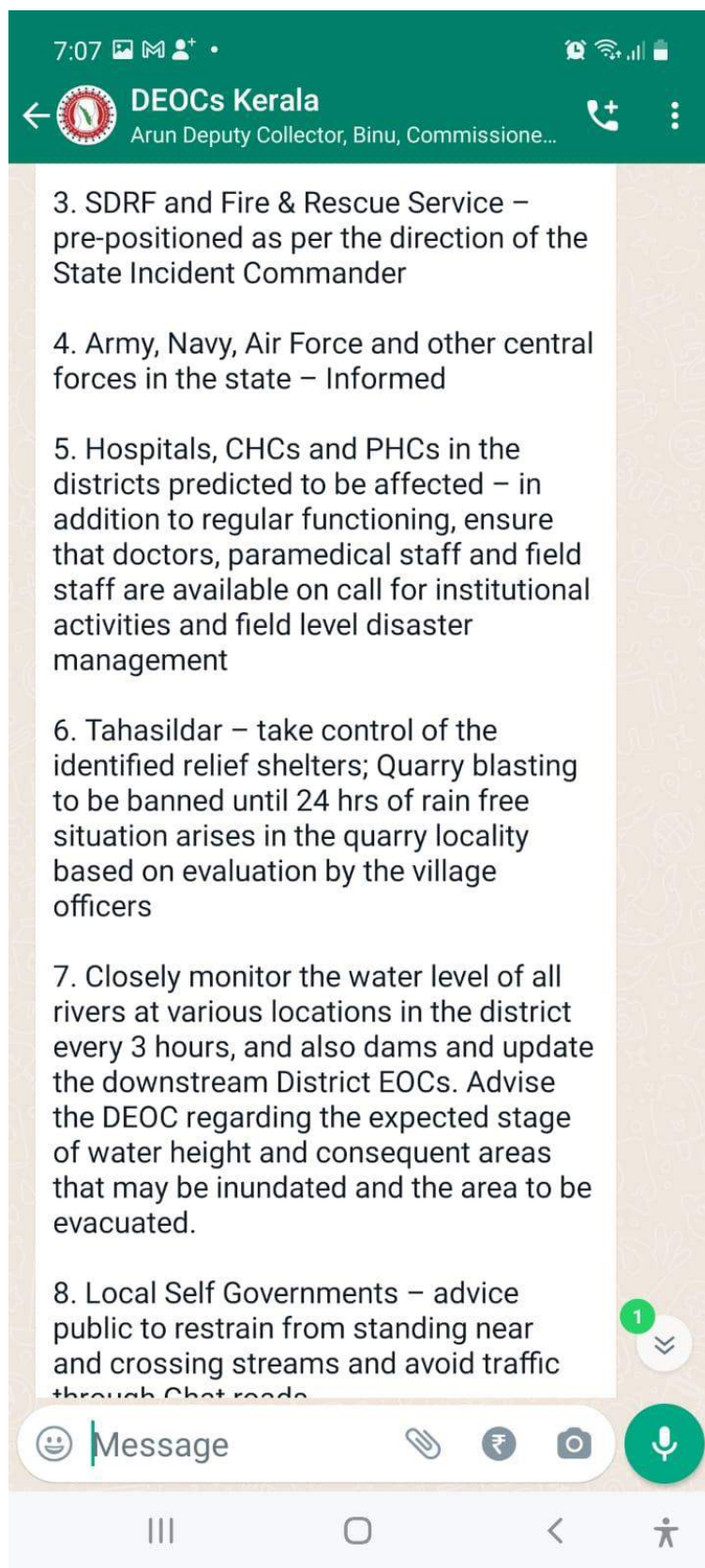




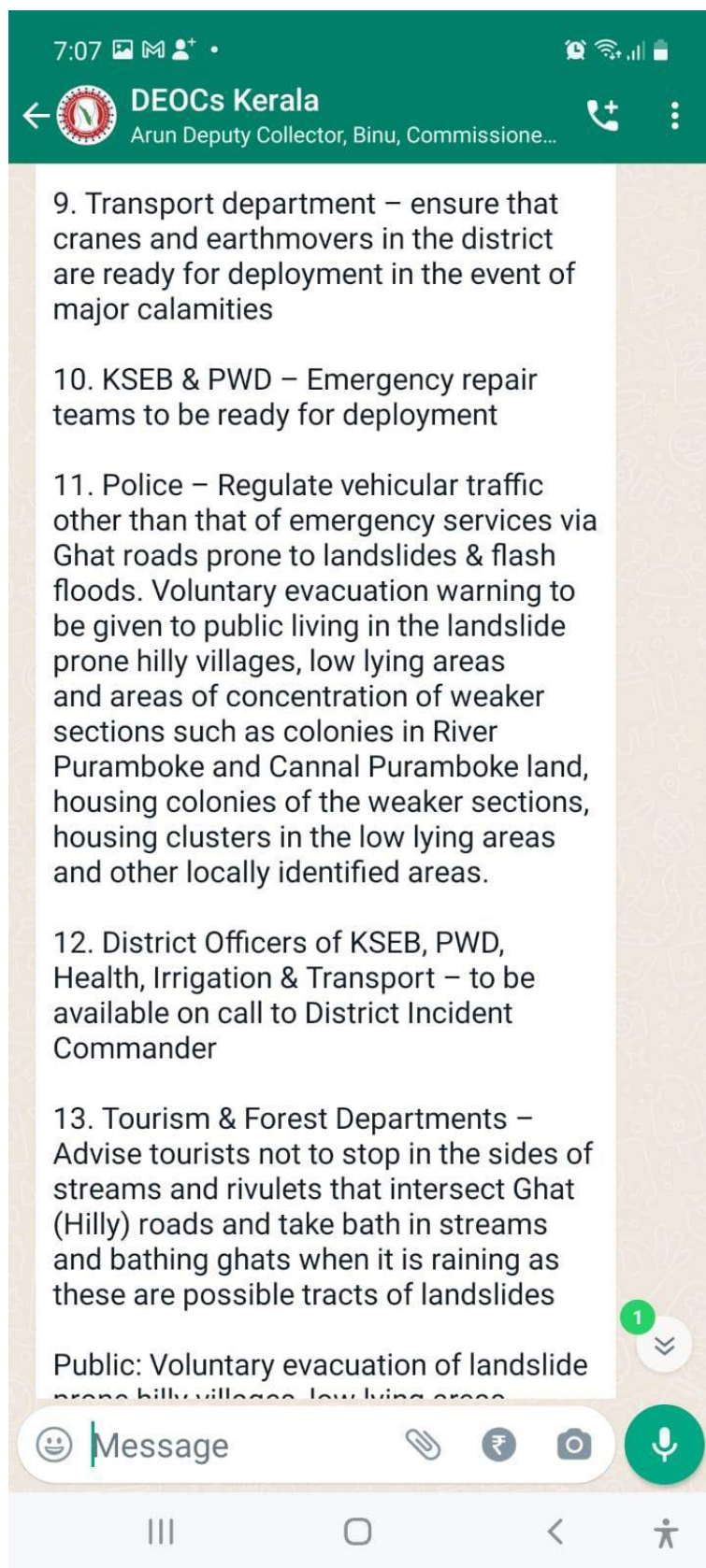




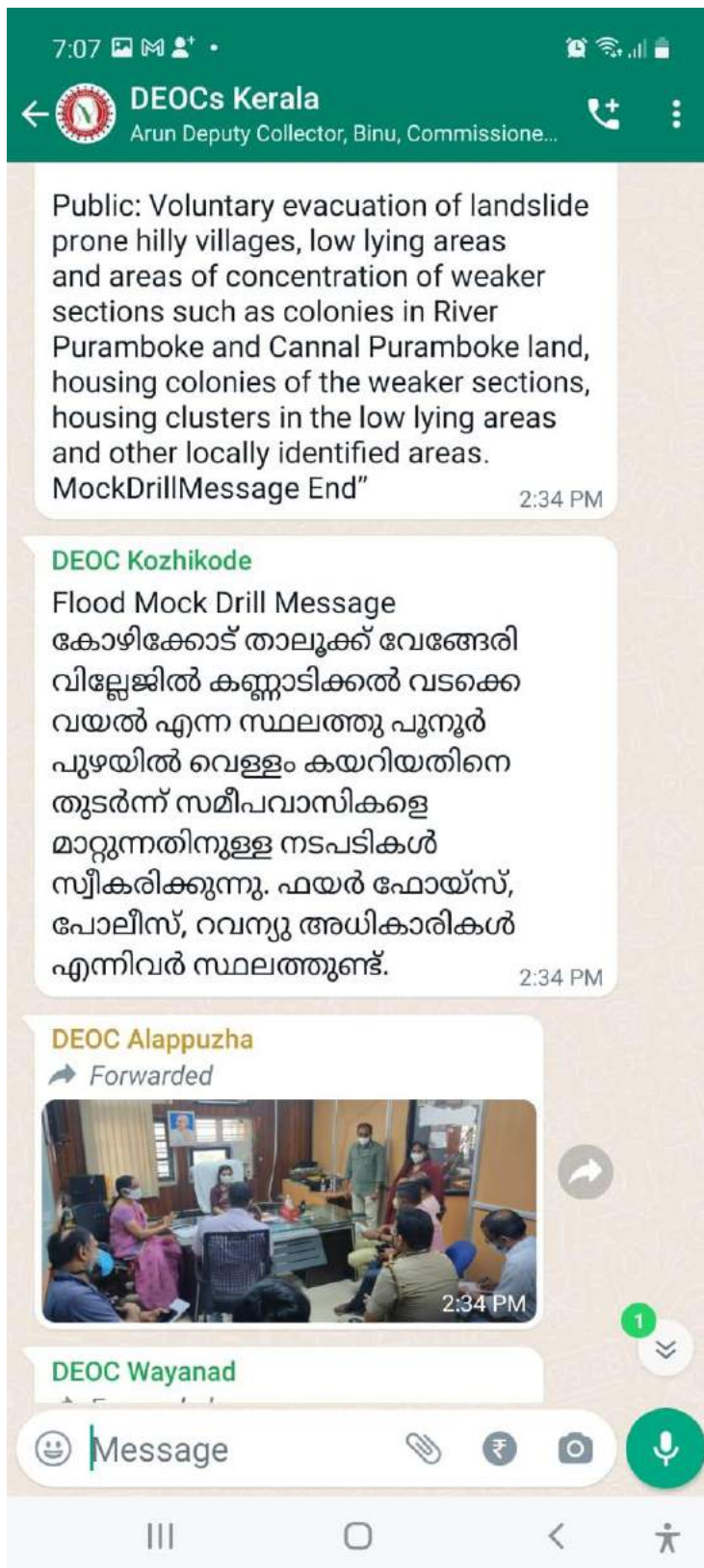








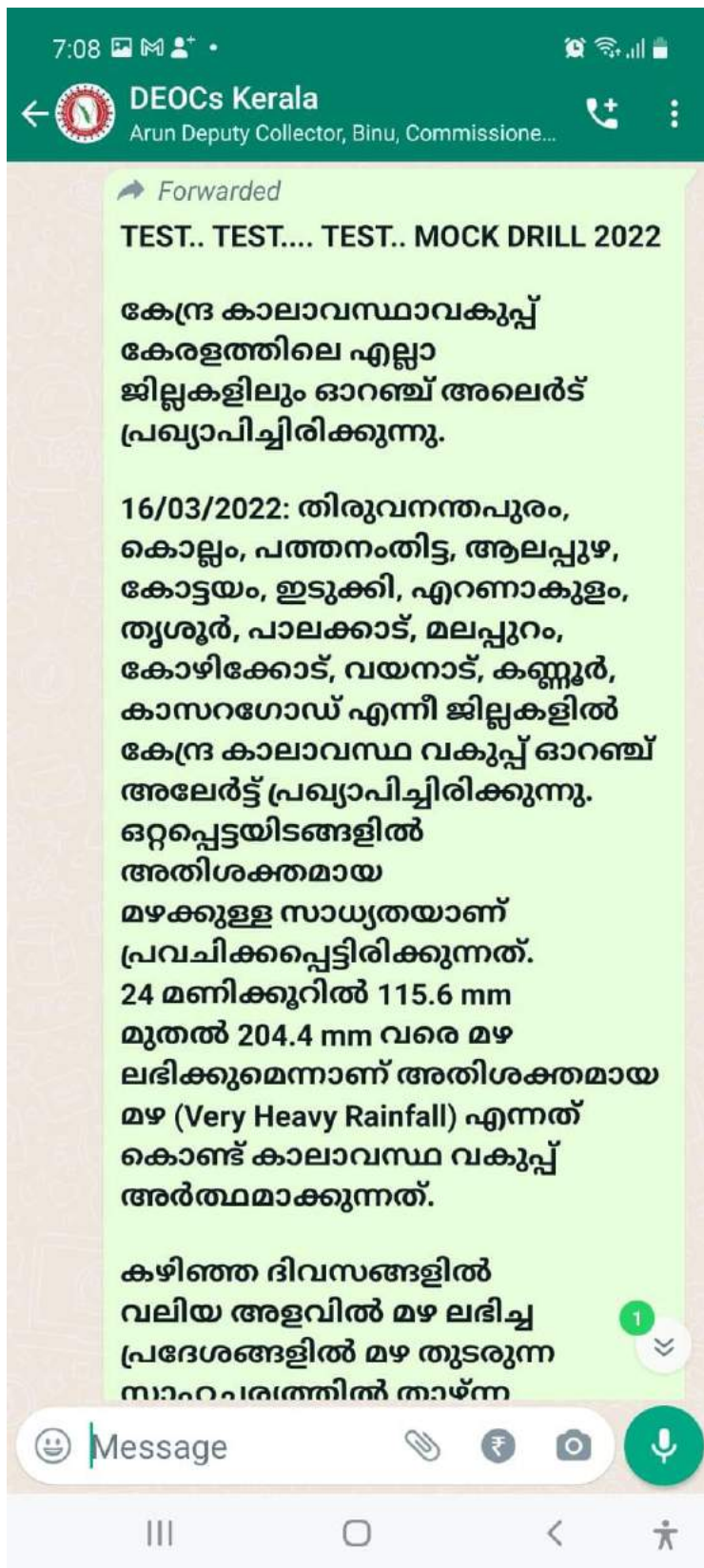








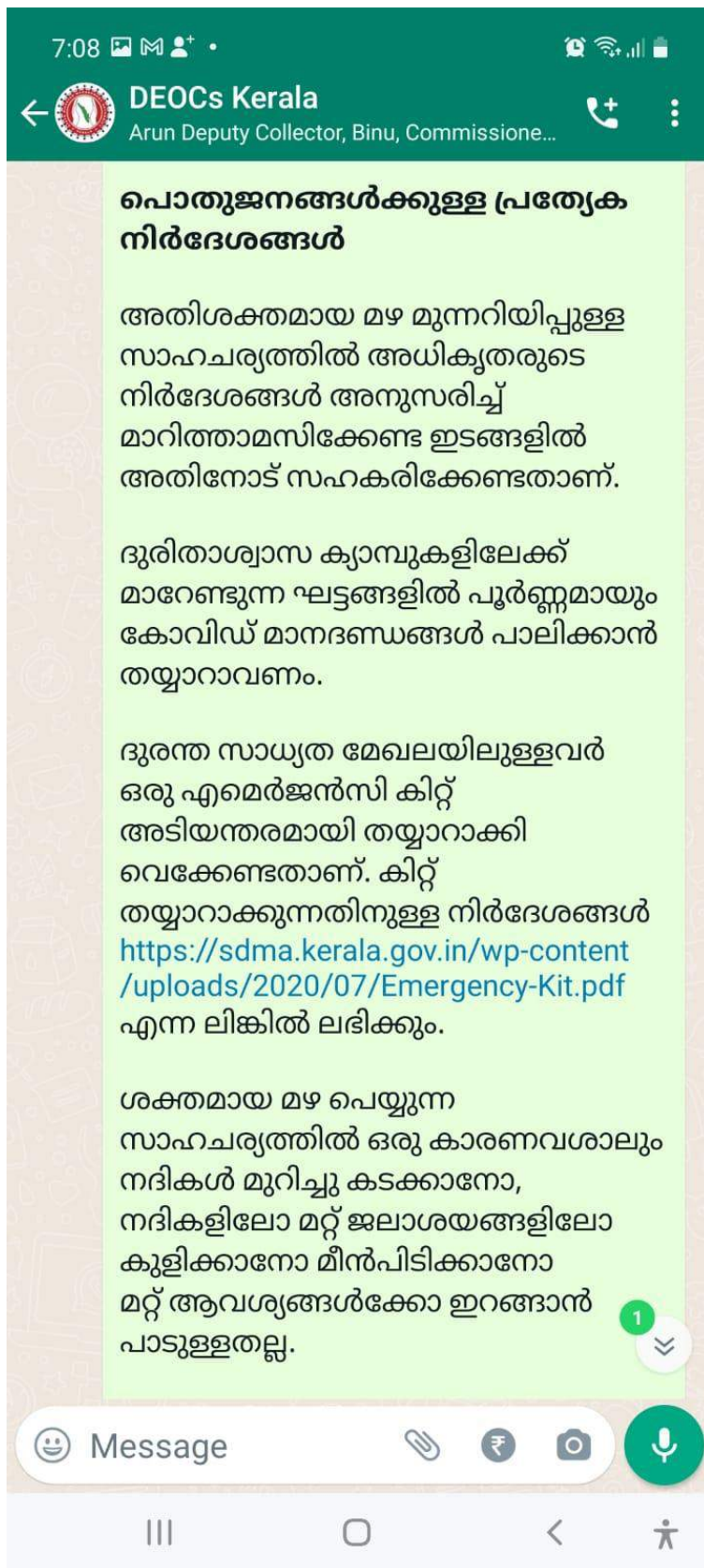




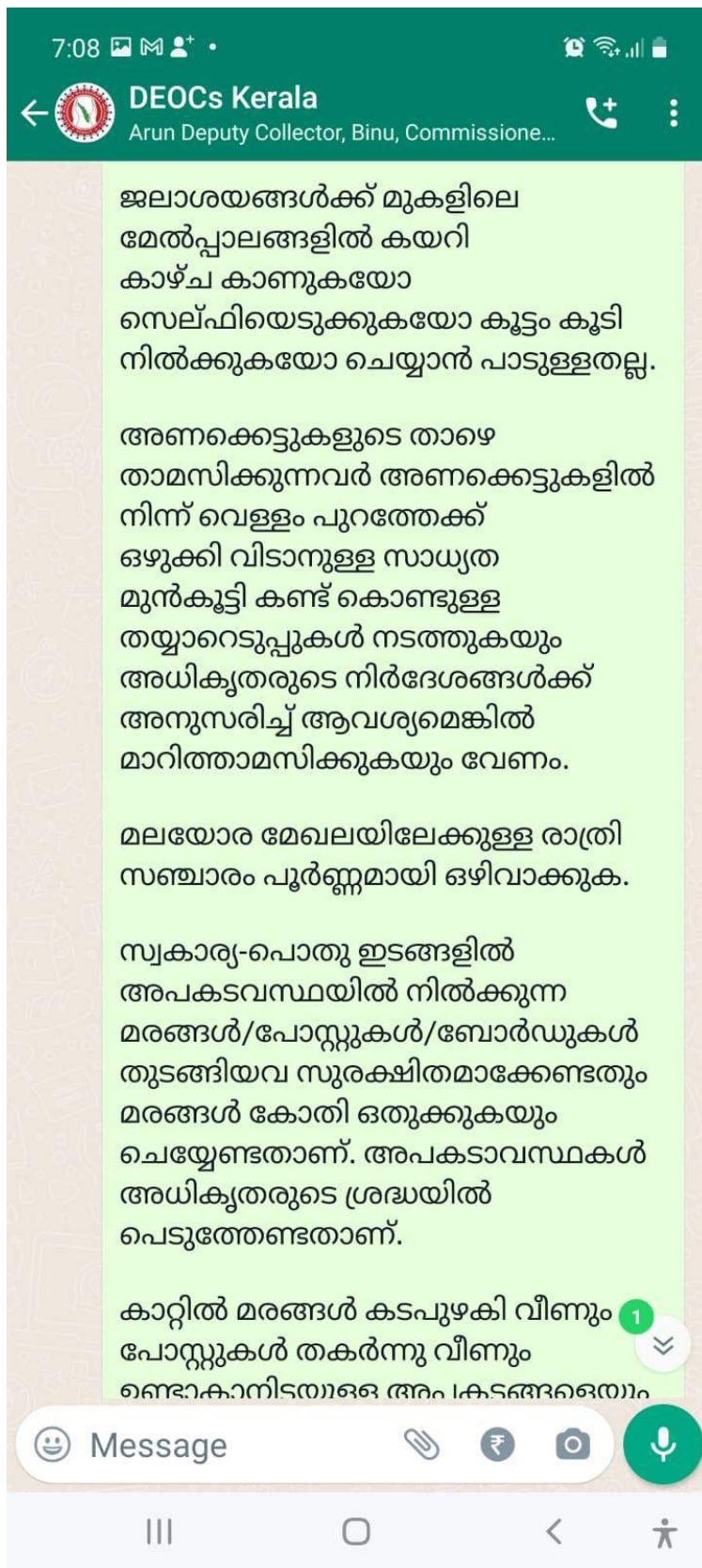








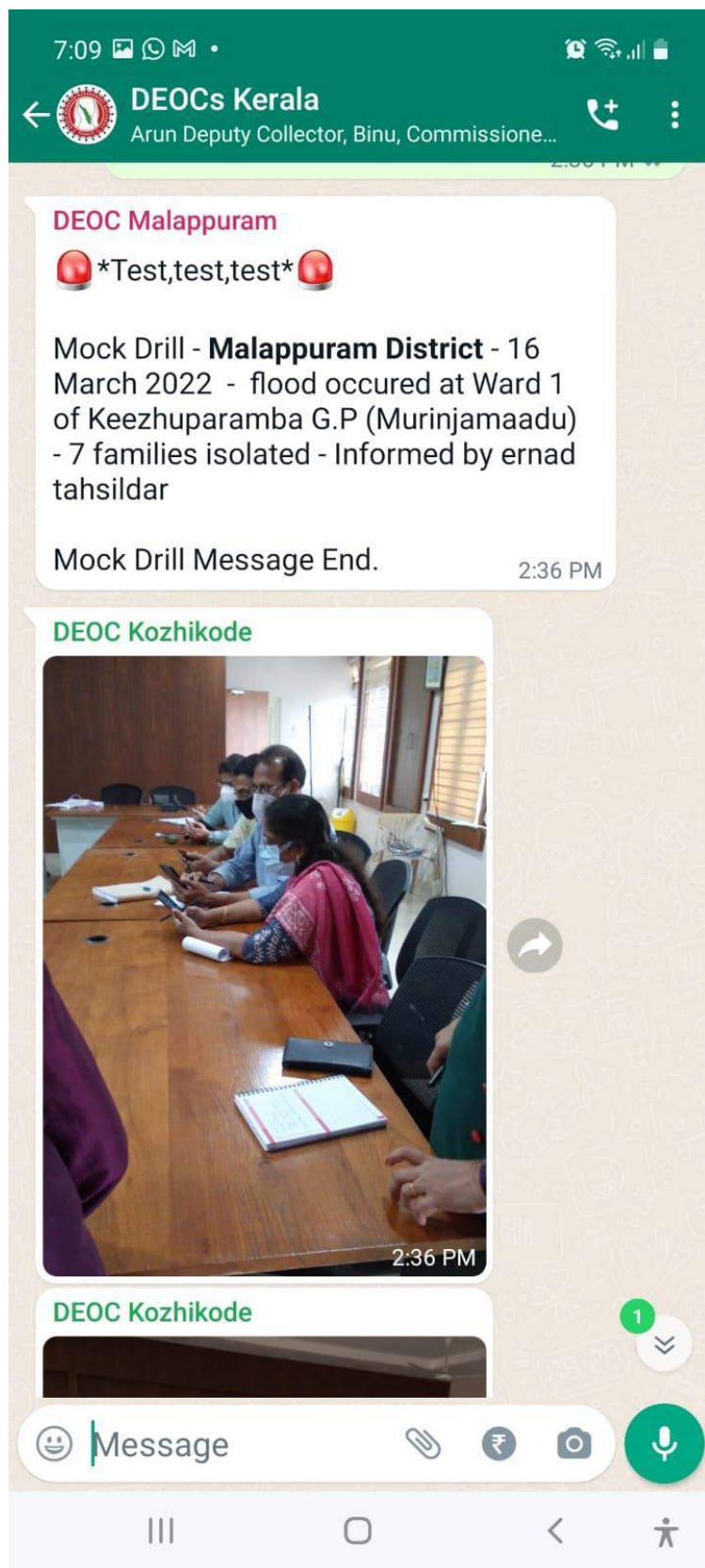








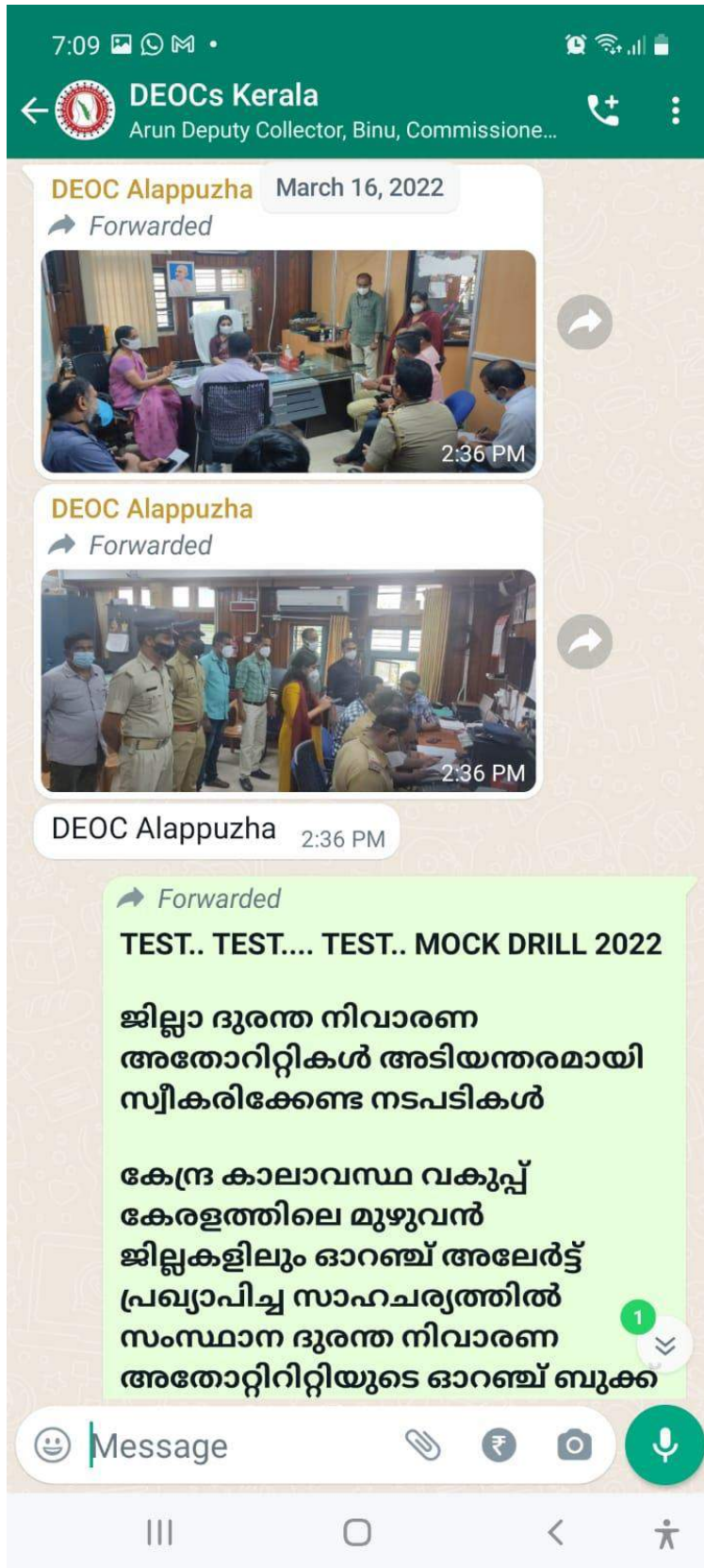




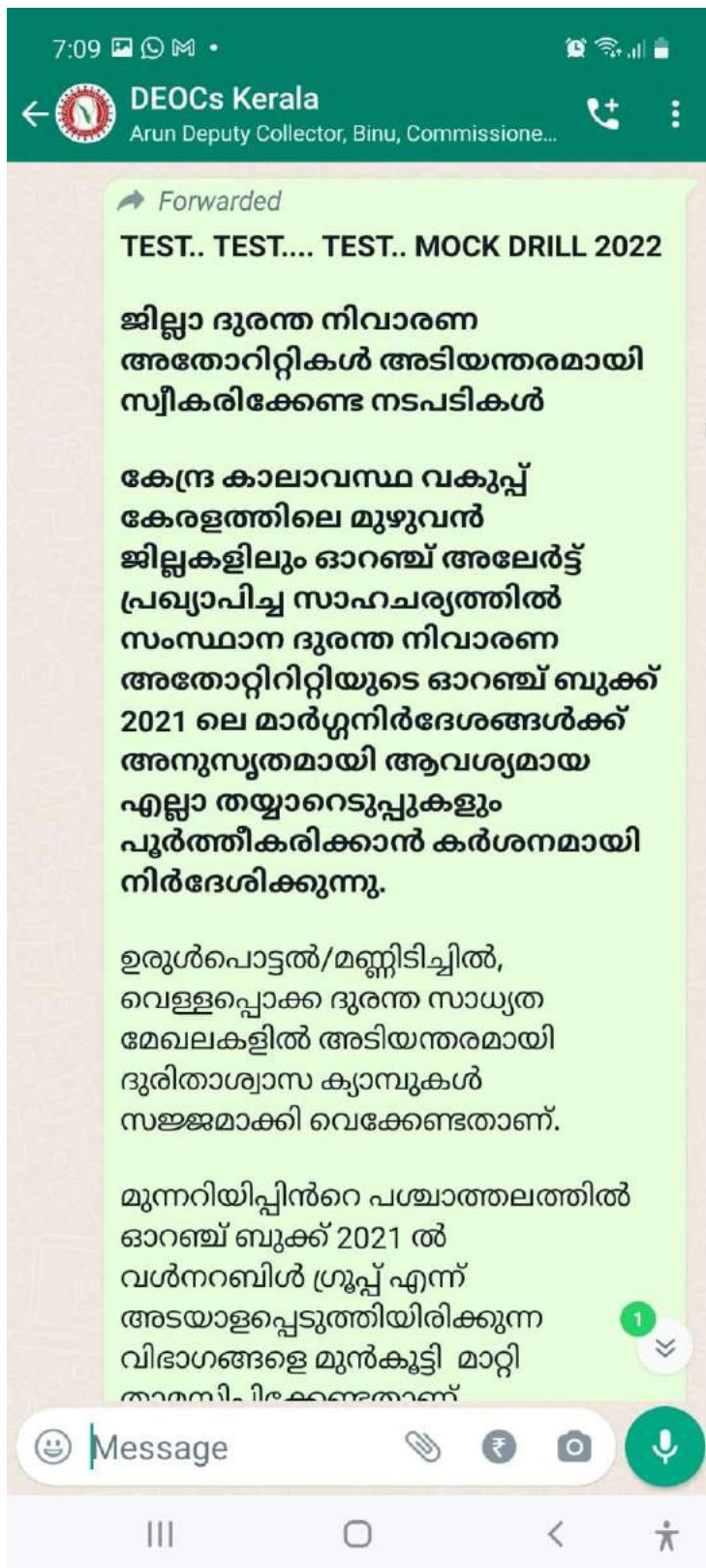




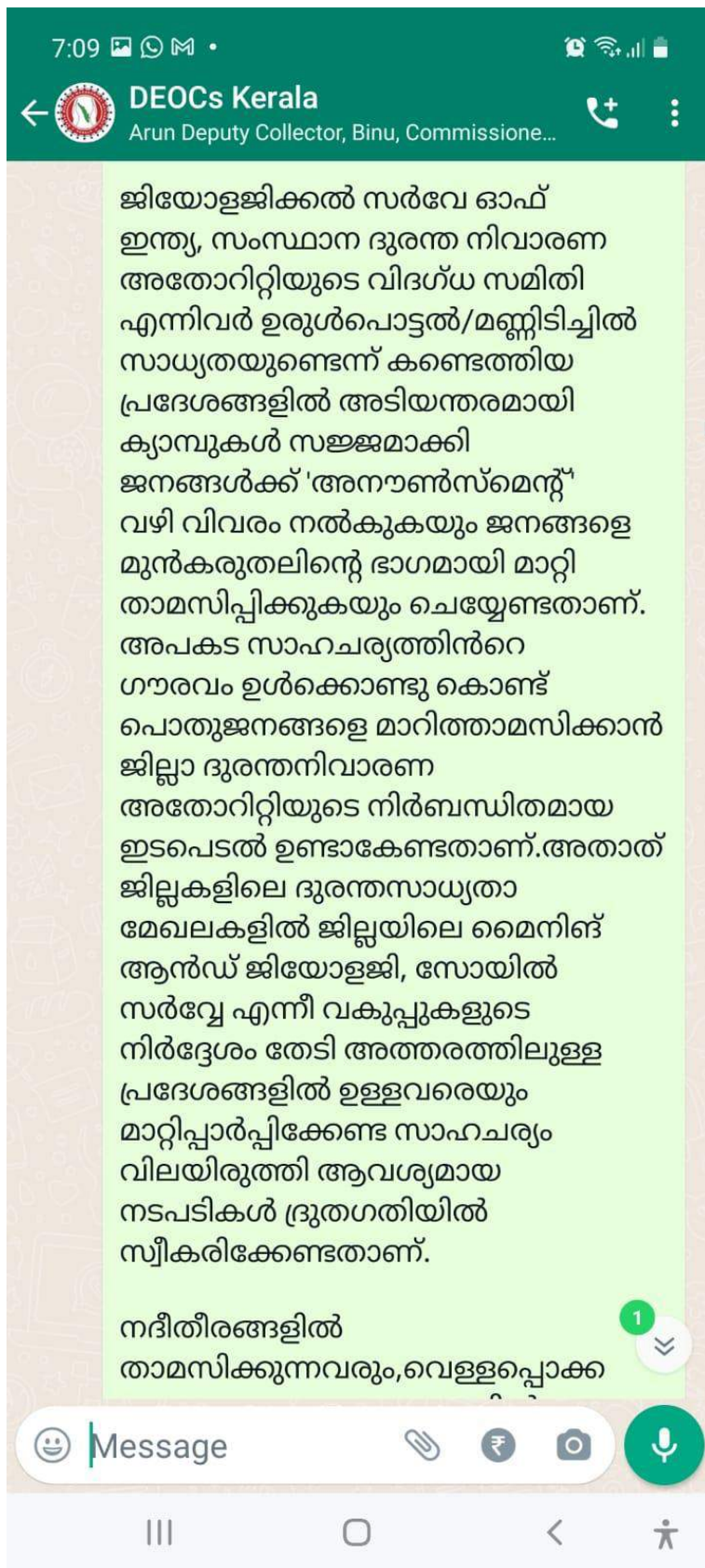








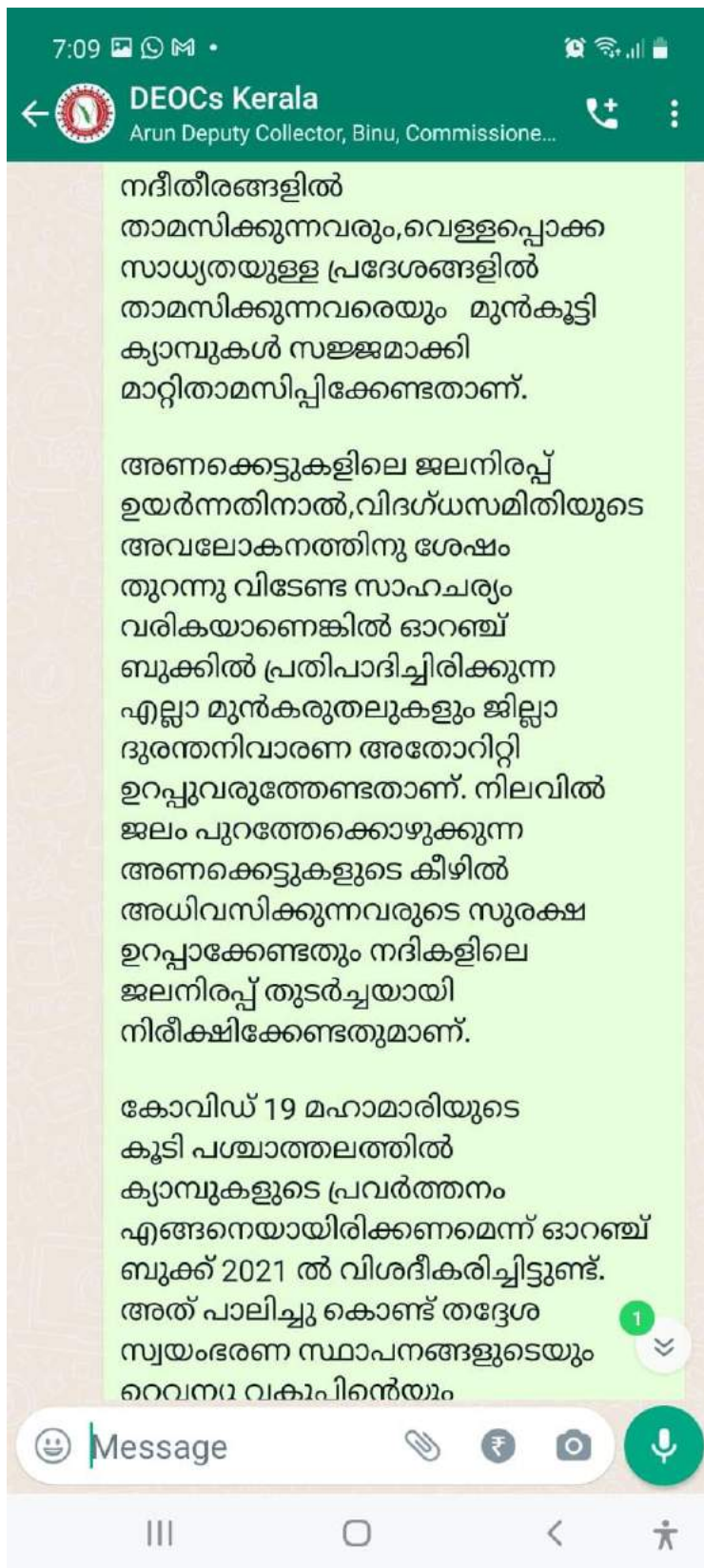




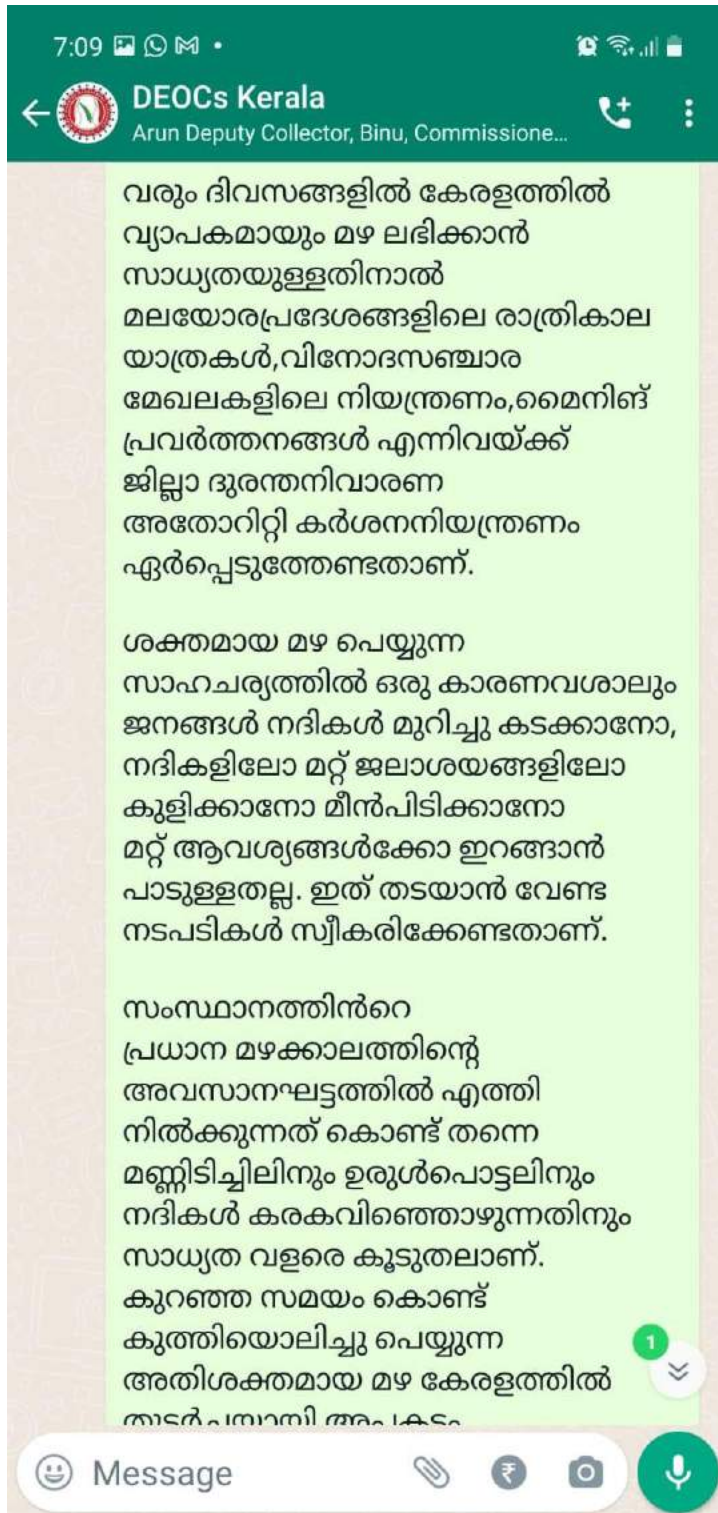
ജിയോളജിക്കൽ സർവ്വേ ഓഫ്  
ഇന്ത്യ, സംസ്ഥാന ദുരന്ത നിവാരണ  
അതോറിറ്റിയുടെ വിദഗ്ധ സമിതി  
എന്നിവർ ഉൾപ്പെട്ട്/മണ്ണിടിച്ചിൽ  
സാധ്യതയുണ്ടെന്ന് കണ്ടെത്തിയ  
പ്രദേശങ്ങളിൽ അടിയന്തരമായി  
ക്യാമ്പുകൾ സജ്ജമാക്കി  
ജനങ്ങൾക്ക് 'അനുൺസ് മെന്റ്'  
വഴി വിവരം നൽകുകയും ജനങ്ങളെ  
മുൻകരുതലിന്റെ ഭാഗമായി മാറ്റി  
താമസിപ്പിക്കുകയും ചെയ്യേണ്ടതാണ്.  
അപകട സാഹചര്യത്തിന്റെ  
ഗൗരവം ഉൾക്കൊണ്ടു കൊണ്ട്  
പൊതുജനങ്ങളെ മാറിത്താമസിപ്പിക്കാൻ  
ജില്ലാ ദുരന്തനിവാരണ  
അതോറിറ്റിയുടെ നിർബന്ധിതമായ  
ഇടപെടൽ ഉണ്ടാകേണ്ടതാണ്. അതാത്  
ജില്ലകളിലെ ദുരന്തസാധ്യതാ  
മേഖലകളിൽ ജില്ലയിലെ മൈനിങ്ങ്  
ആൻഡ് ജിയോളജി, സോയിൽ  
സർവ്വേ എന്നീ വകുപ്പുകളുടെ  
നിർദ്ദേശം തേടി അത്തരത്തിലുള്ള  
പ്രദേശങ്ങളിൽ ഉള്ളവരെയും  
മാറ്റിപ്പാർപ്പിക്കേണ്ട സാഹചര്യം  
വിലയിരുത്തി ആവശ്യമായ  
നടപടികൾ ദ്രുതഗതിയിൽ  
സ്വീകരിക്കേണ്ടതാണ്.

നദീതീരങ്ങളിൽ  
താമസിക്കുന്നവരും, വെള്ളപ്പൊക്ക







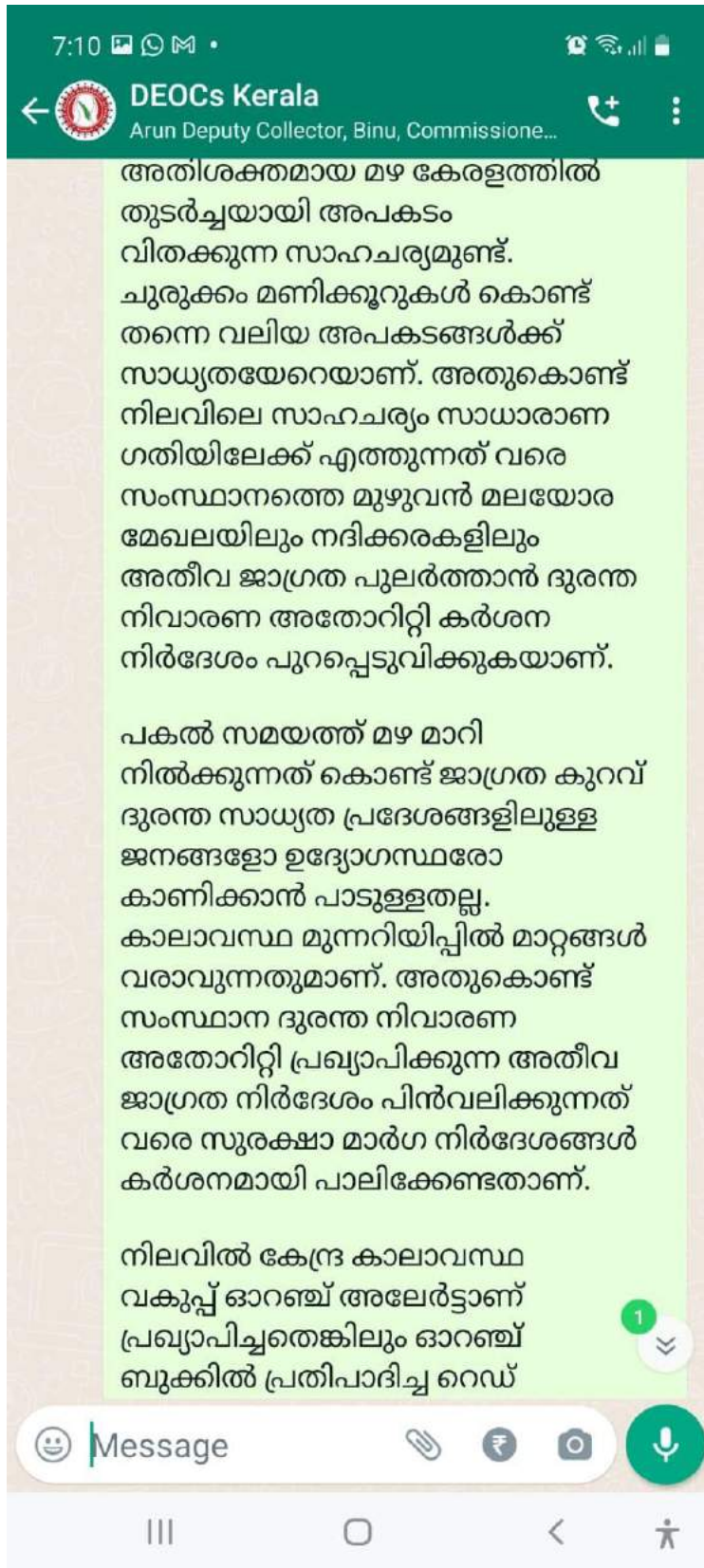


വരും ദിവസങ്ങളിൽ കേരളത്തിൽ  
വ്യാപകമായും മഴ ലഭിക്കാൻ  
സാധ്യതയുള്ളതിനാൽ  
മലയോരപ്രദേശങ്ങളിലെ രാത്രികാല  
യാത്രകൾ, വിനോദസഞ്ചാര  
മേഖലകളിലെ നിയന്ത്രണം, മൈനിങ്ങ്  
പ്രവർത്തനങ്ങൾ എന്നിവയ്ക്ക്  
ജില്ലാ ദുരന്തനിവാരണ  
അതോറിറ്റി കർശനനിയന്ത്രണം  
ഏർപ്പെടുത്തേണ്ടതാണ്.

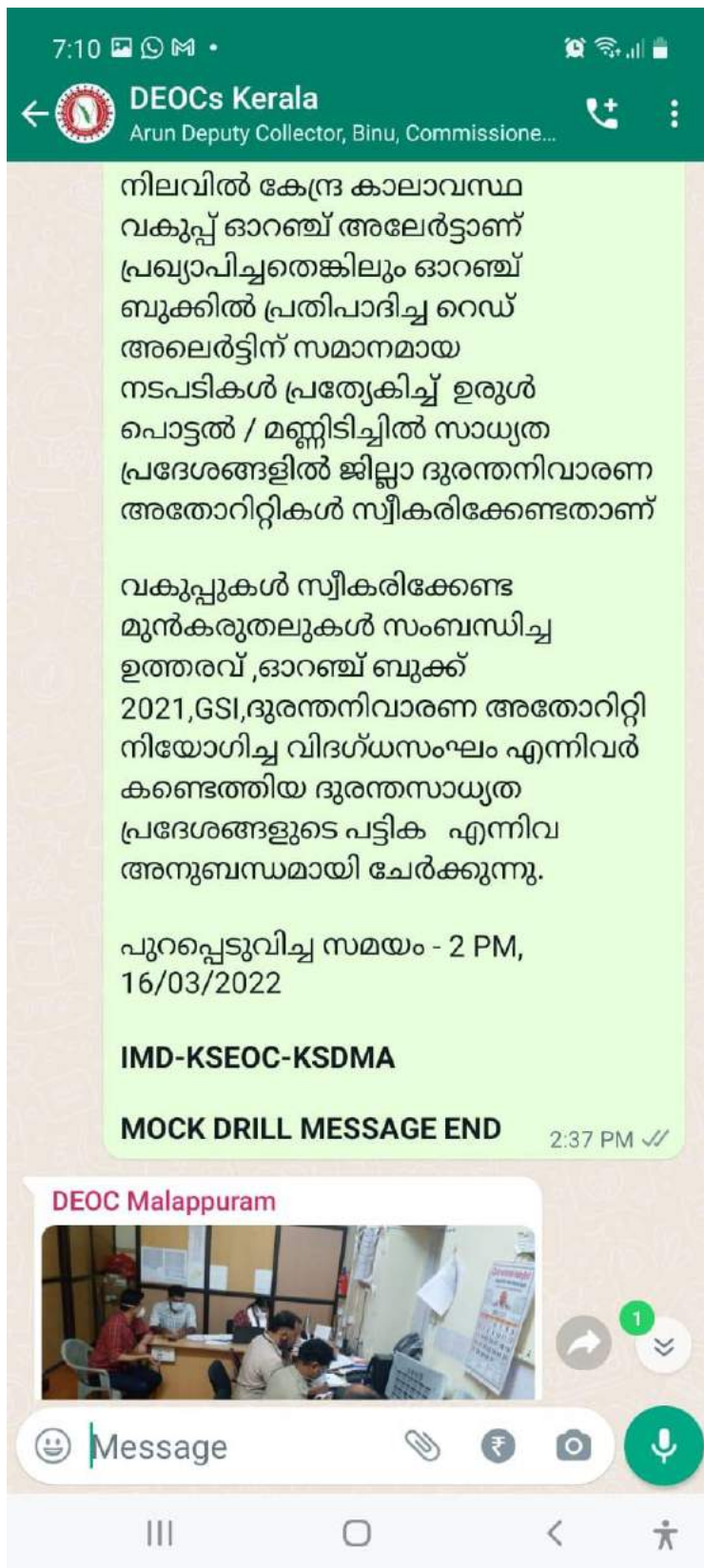
ശക്തമായ മഴ പെയ്യുന്ന  
സാഹചര്യത്തിൽ ഒരു കാരണവശാലും  
ജനങ്ങൾ നദികൾ മുറിച്ചു കടക്കാനോ,  
നദികളിലോ മറ്റ് ജലാശയങ്ങളിലോ  
കുളിക്കാനോ മീൻപിടിക്കാനോ  
മറ്റ് ആവശ്യങ്ങൾക്കോ ഇറങ്ങാൻ  
പാടുള്ളതല്ല. ഇത് തടയാൻ വേണ്ട  
നടപടികൾ സ്വീകരിക്കേണ്ടതാണ്.

സംസ്ഥാനത്തിൻറെ  
പ്രധാന മഴക്കാലത്തിന്റെ  
അവസാനഘട്ടത്തിൽ എത്തി  
നിൽക്കുന്നത് കൊണ്ട് തന്നെ  
മണ്ണിടിച്ചിലിനും ഉരുൾപൊട്ടലിനും  
നദികൾ കരകവിഞ്ഞൊഴുന്നതിനും  
സാധ്യത വളരെ കൂടുതലാണ്.  
കുറഞ്ഞ സമയം കൊണ്ട്  
കുത്തിയൊലിച്ചു പെയ്യുന്ന  
അതിശക്തമായ മഴ കേരളത്തിൽ  
താടൻപന്യാസി അപകടം





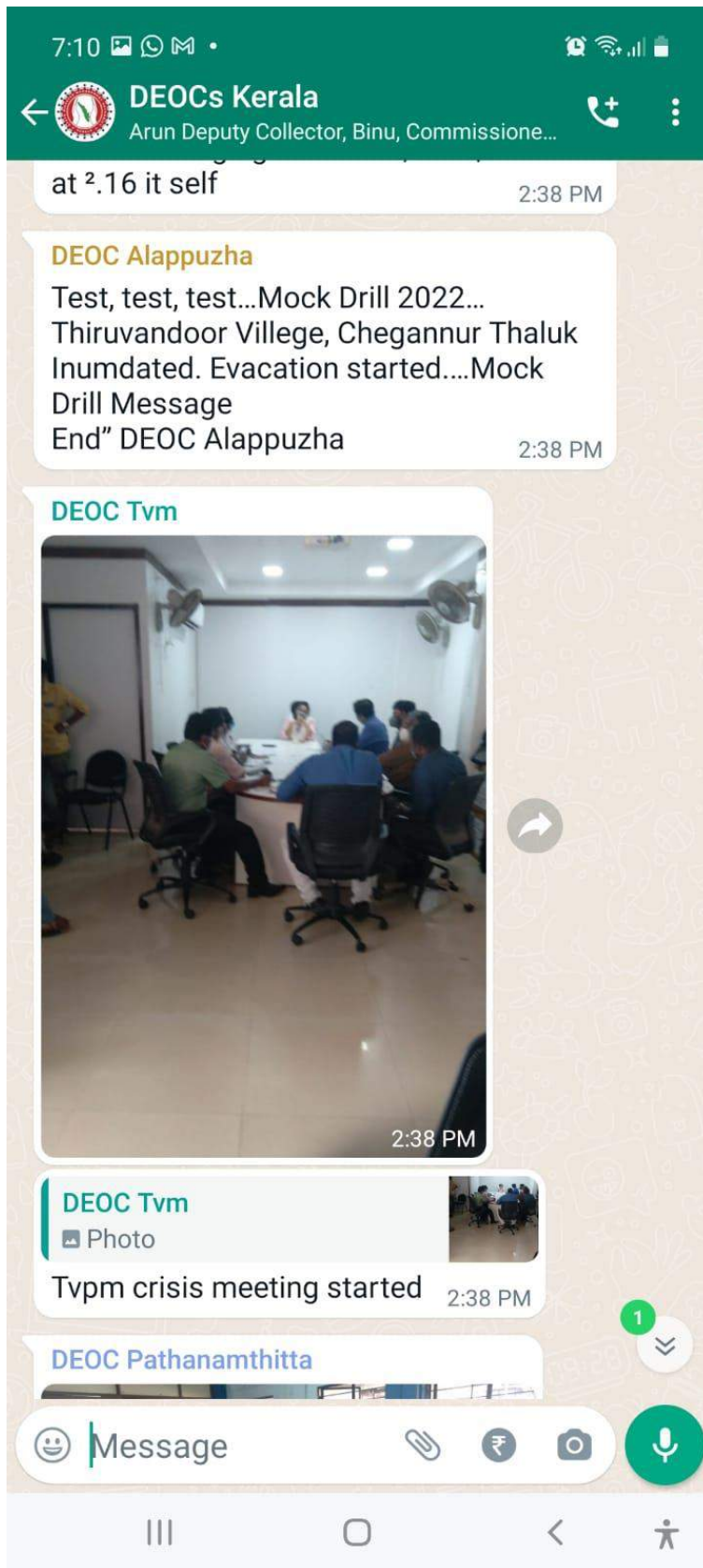




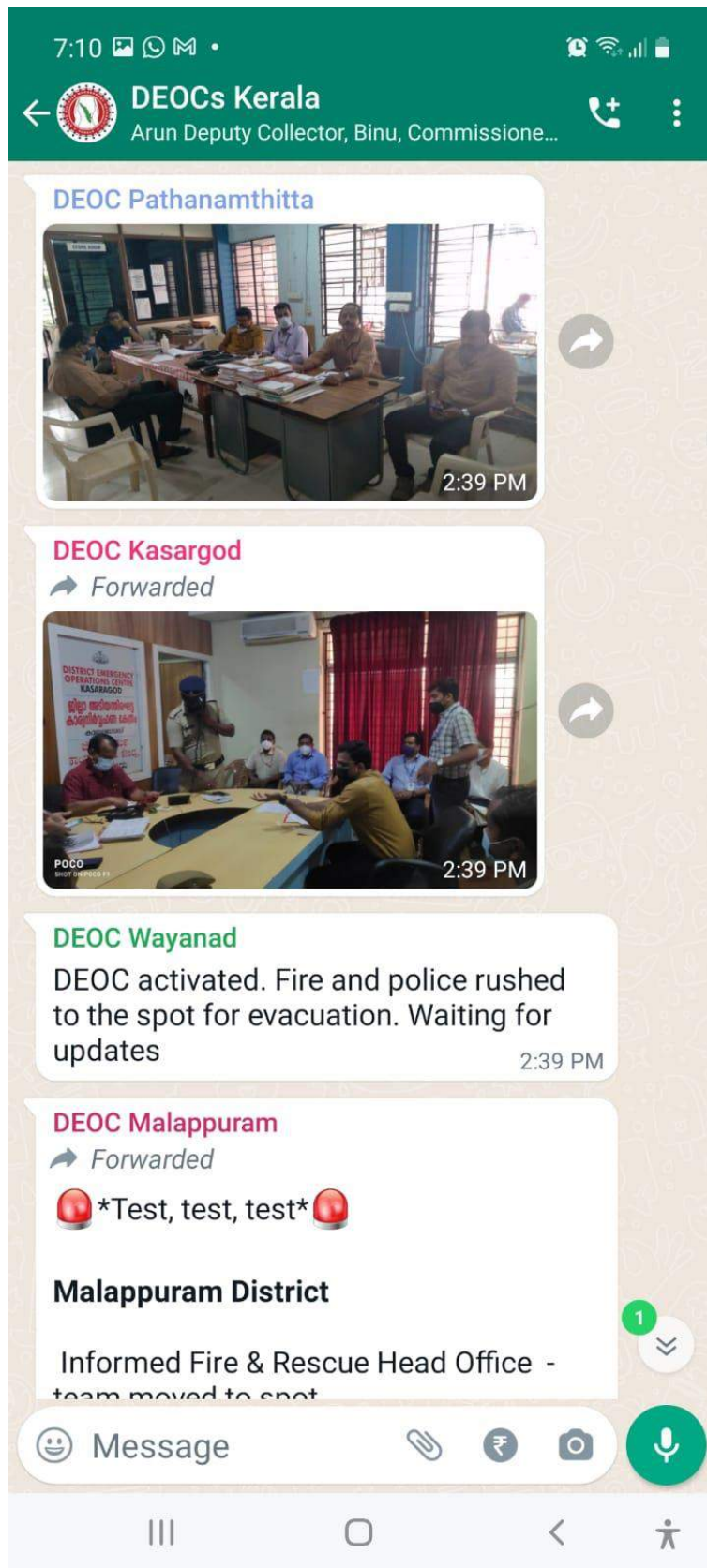








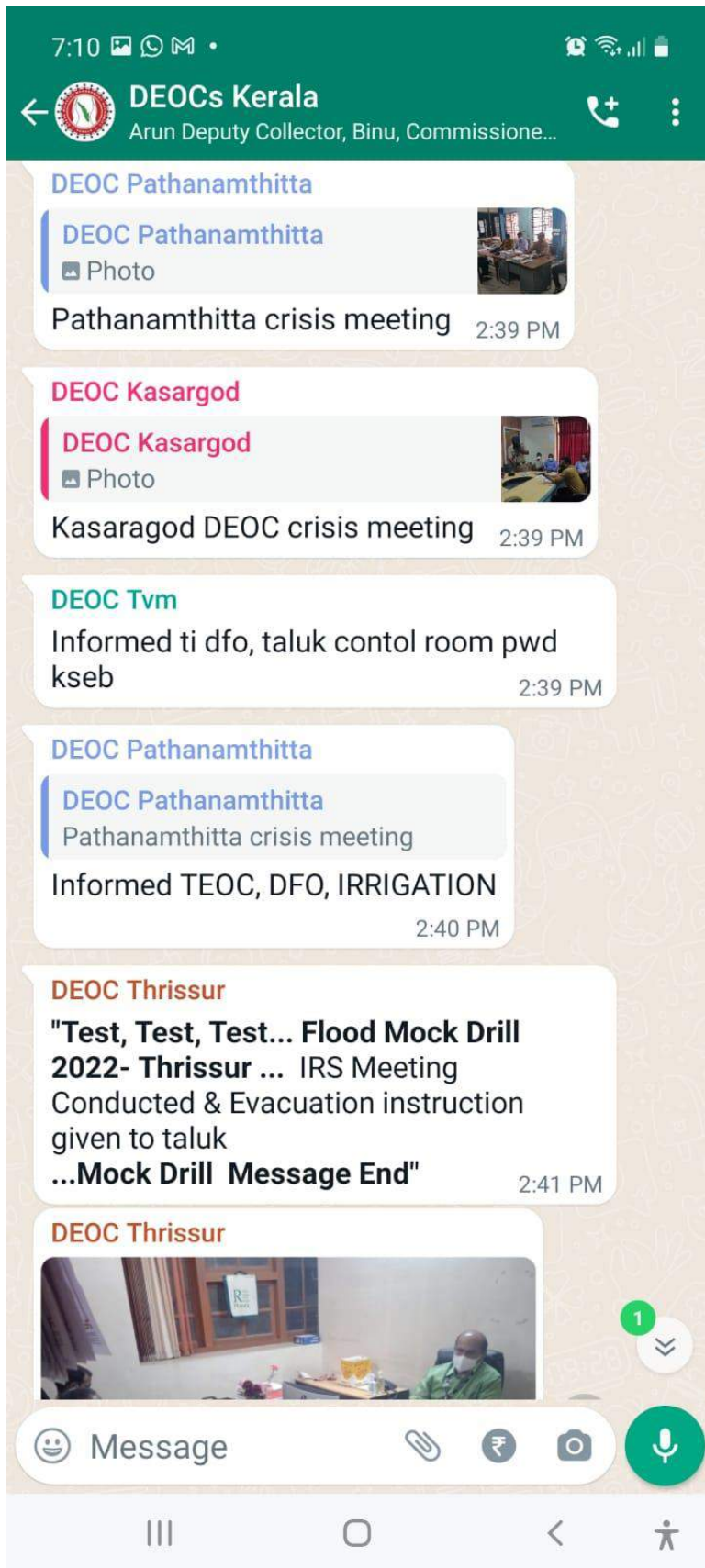




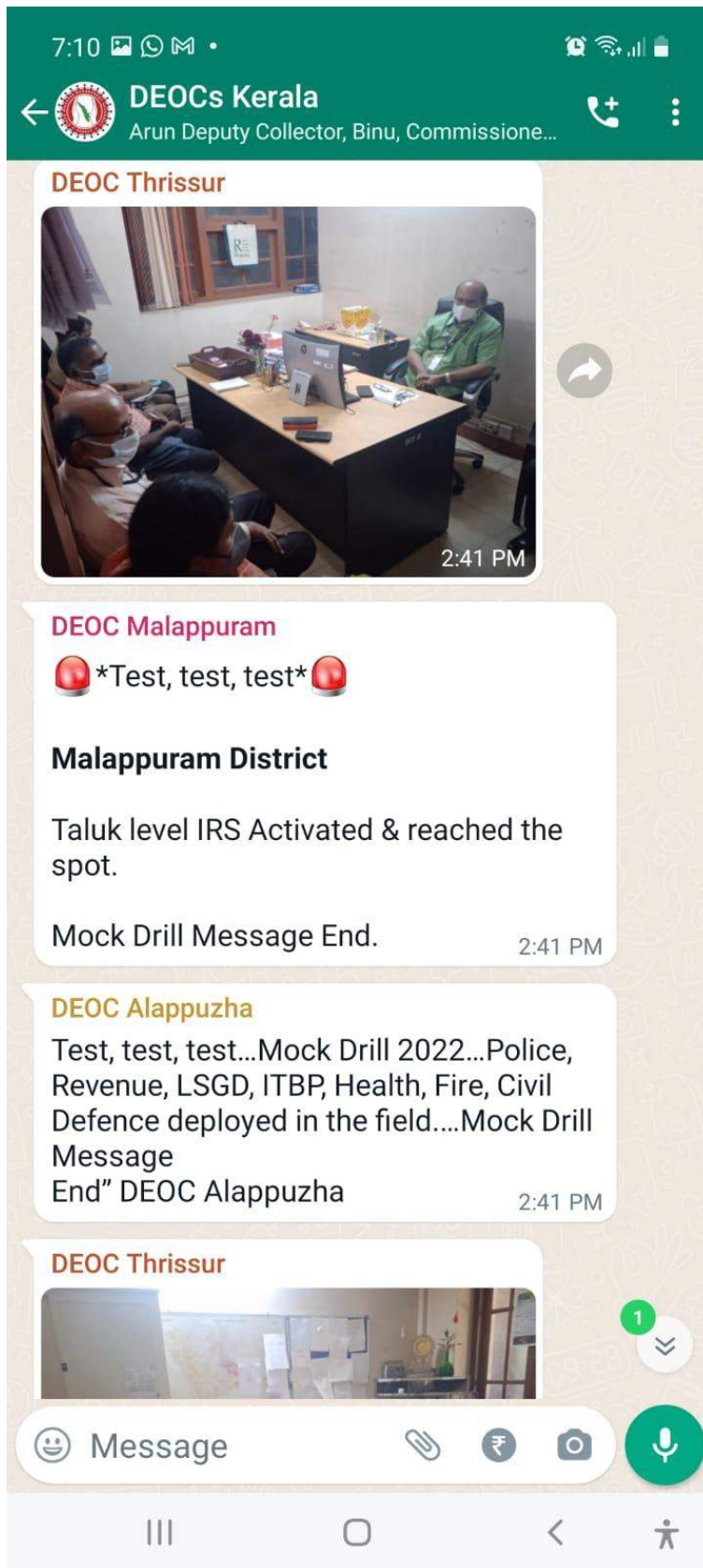




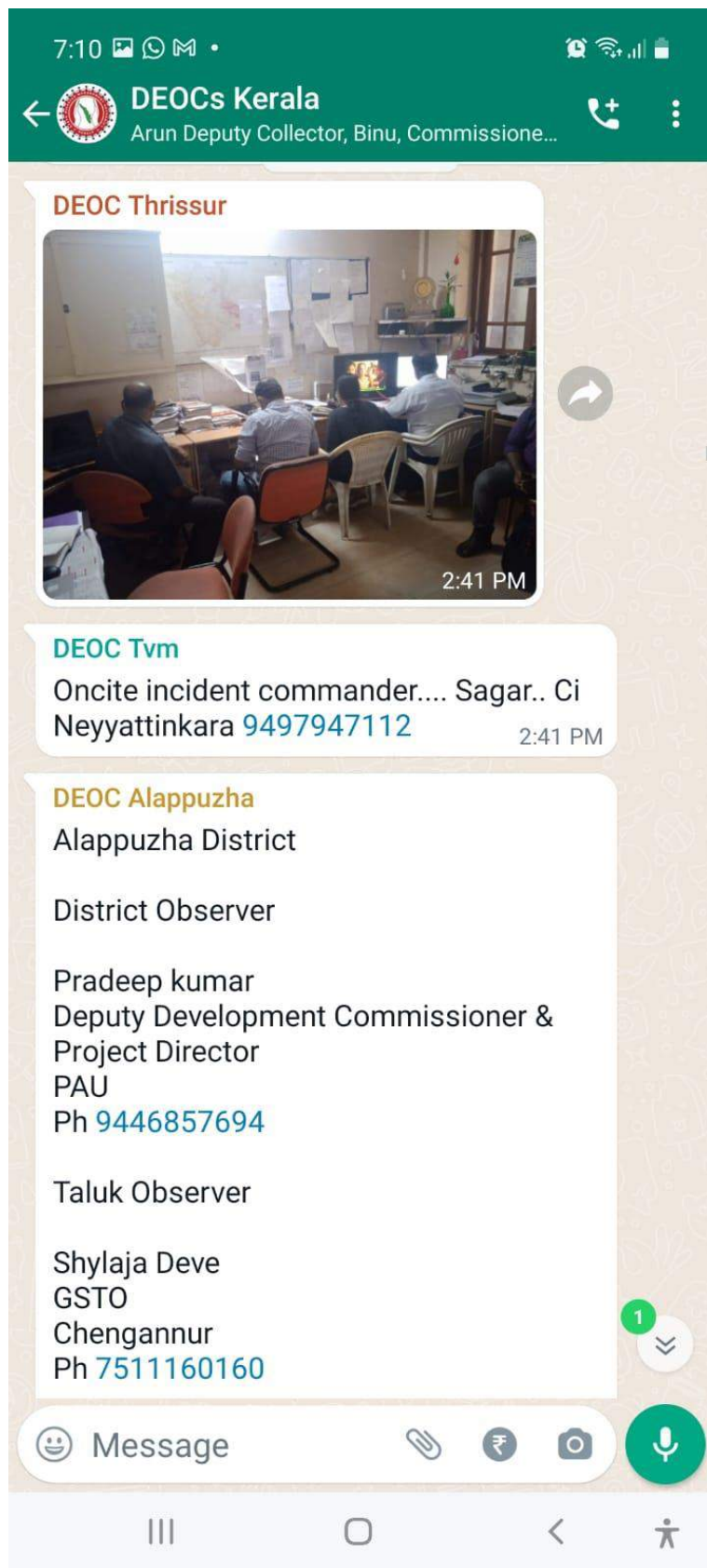




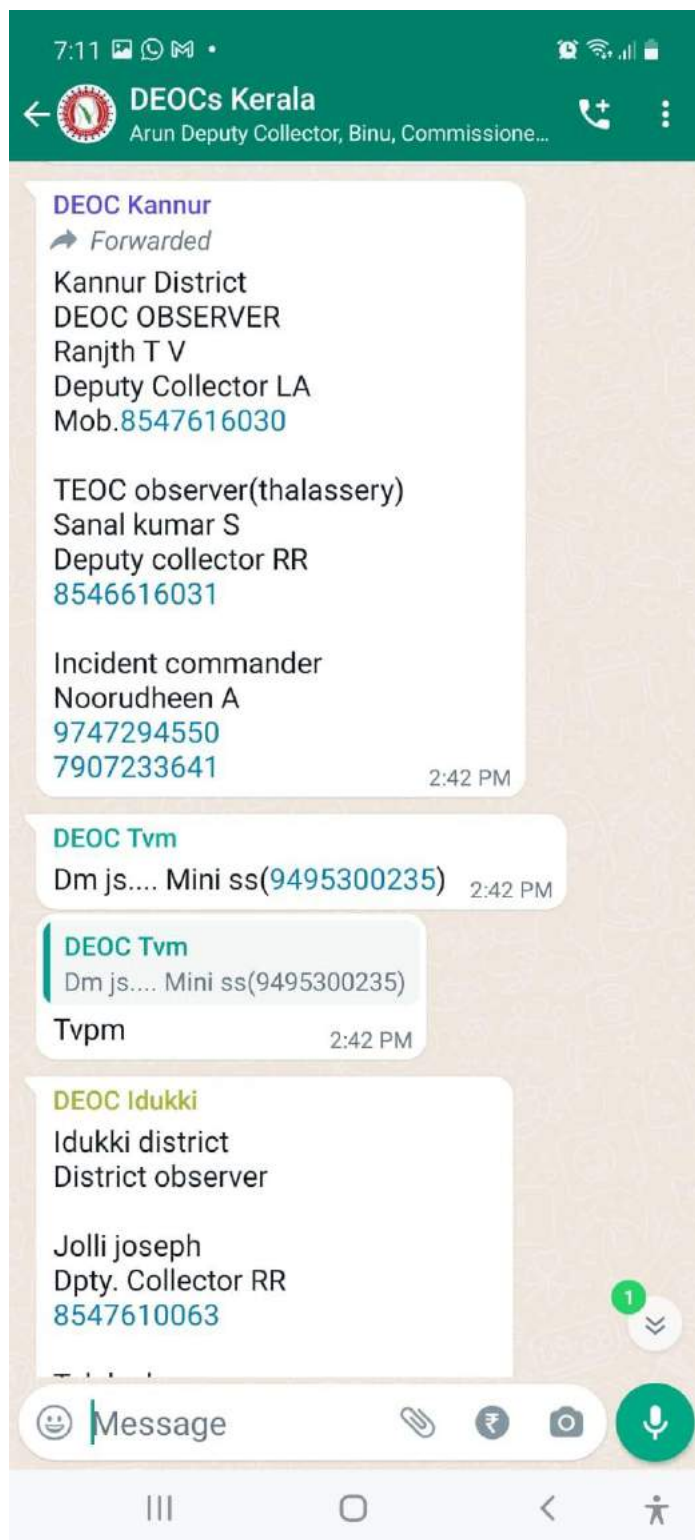




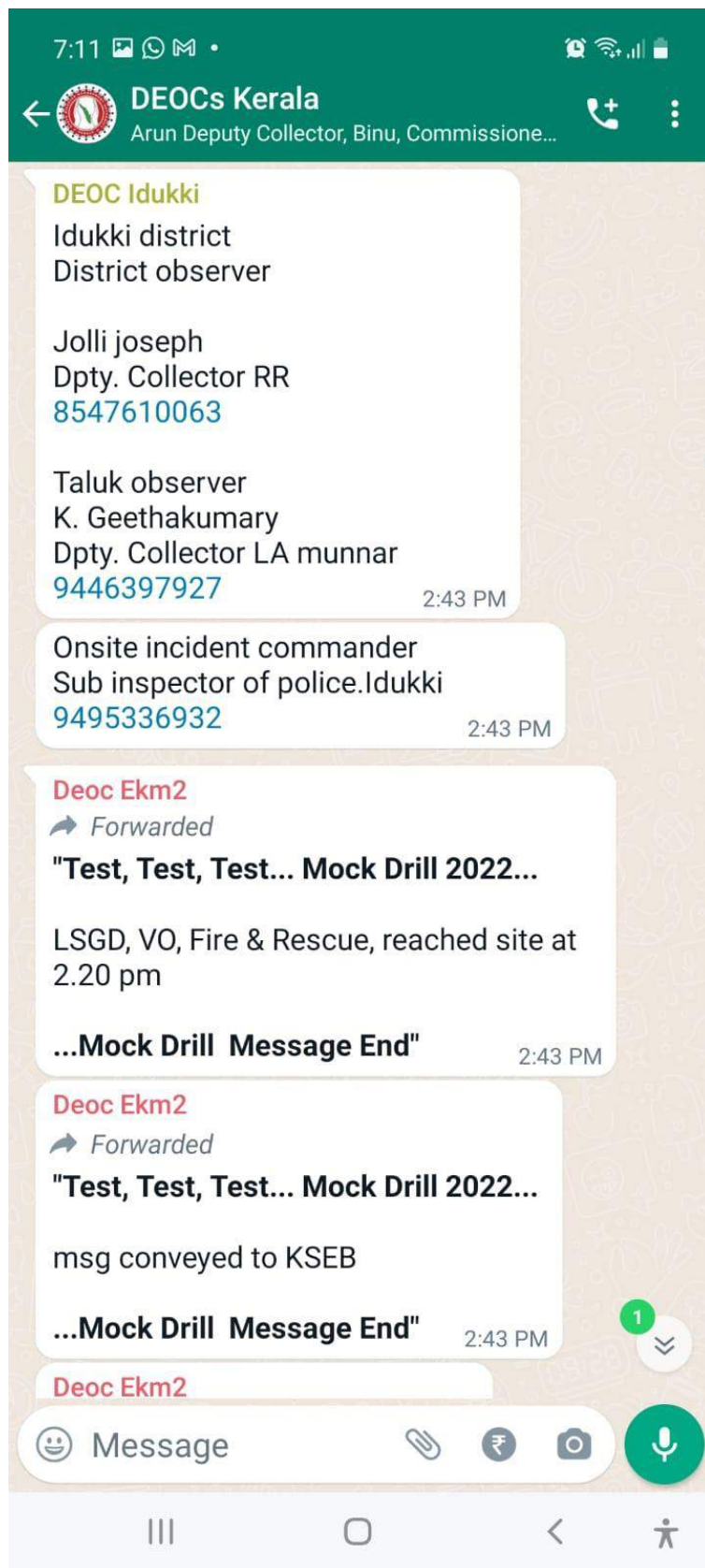




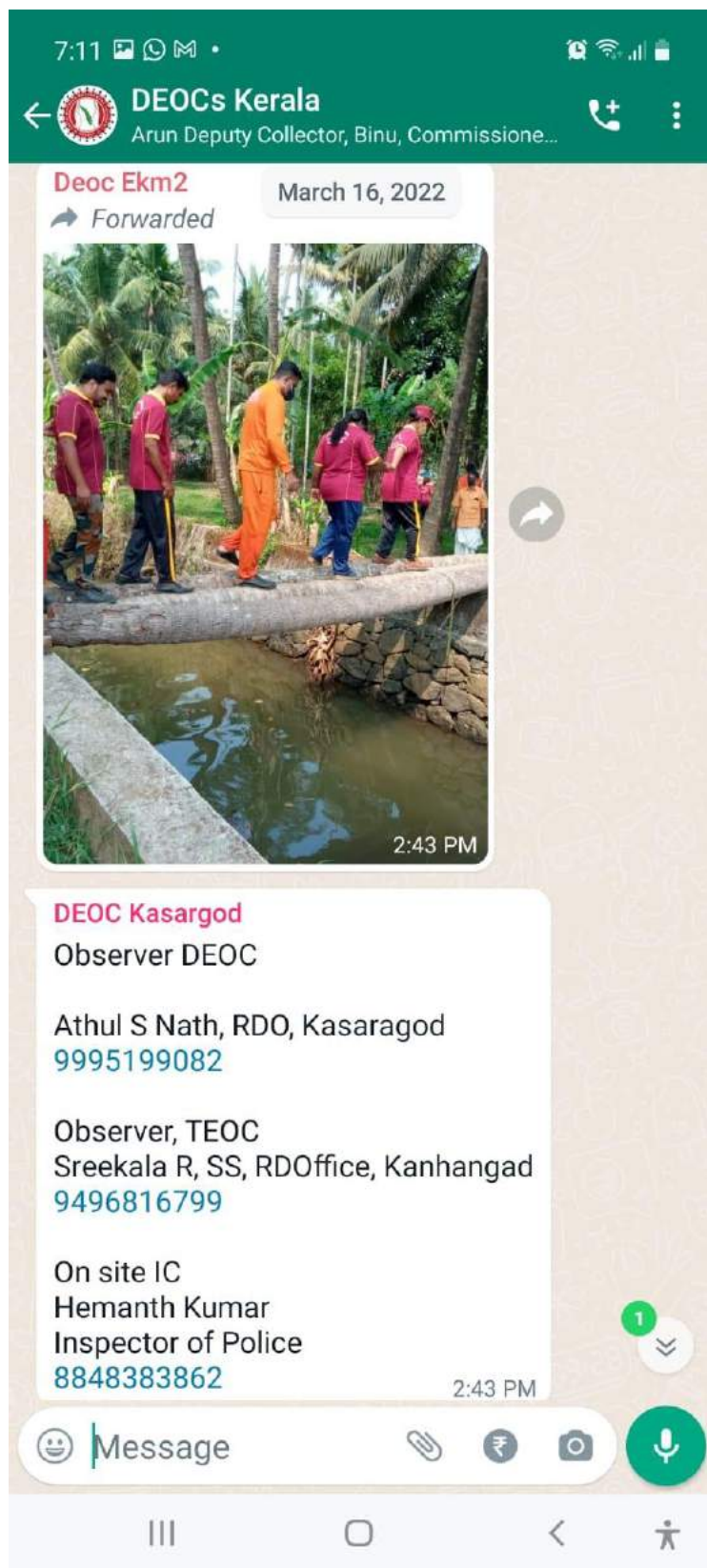




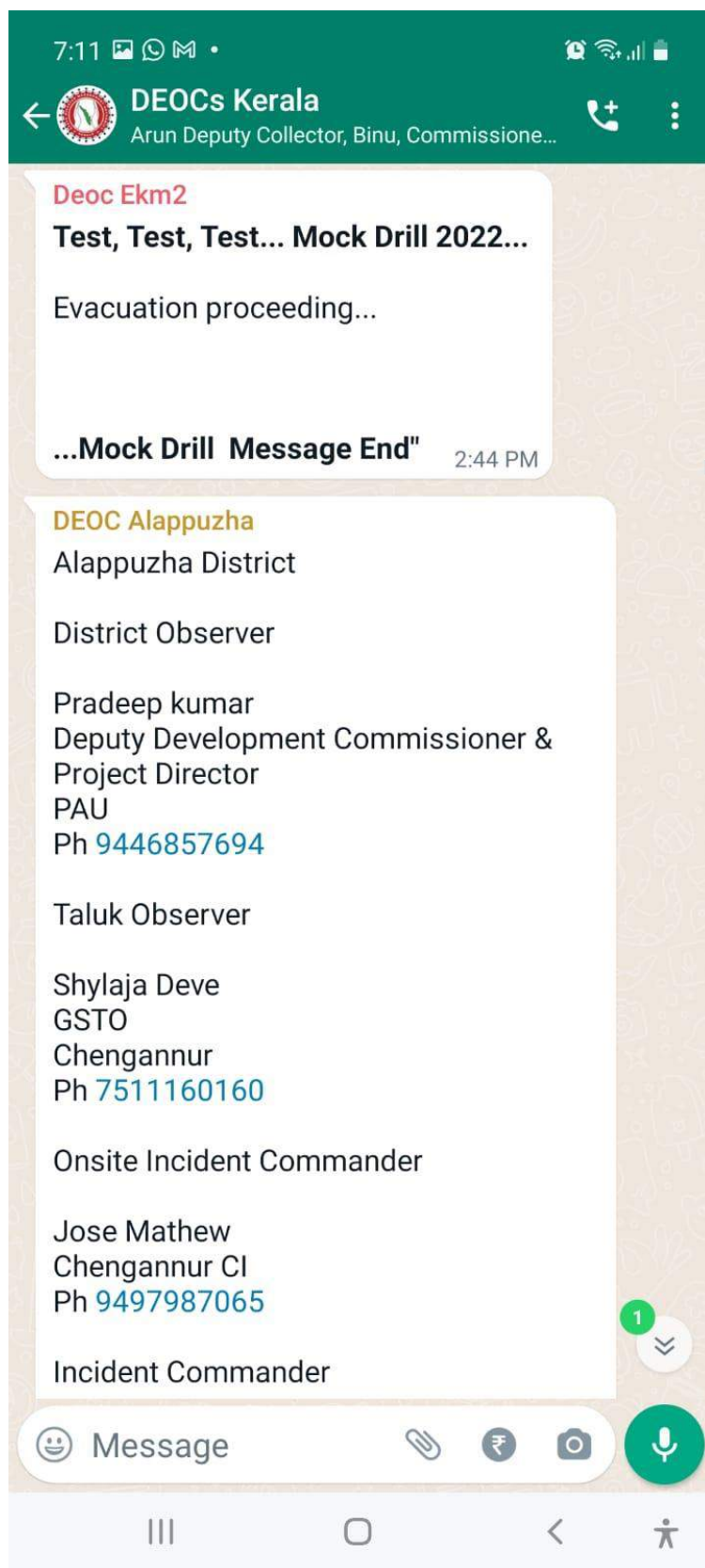




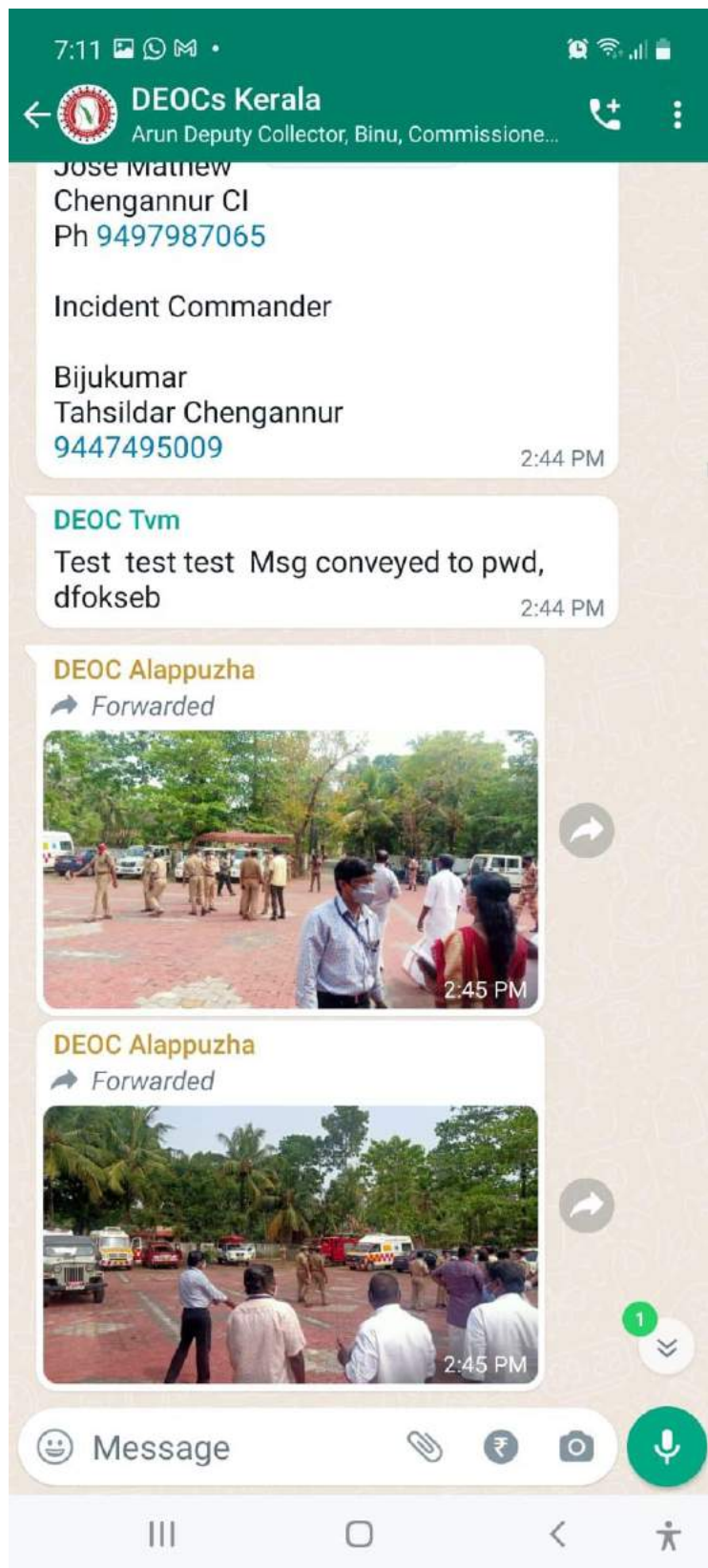




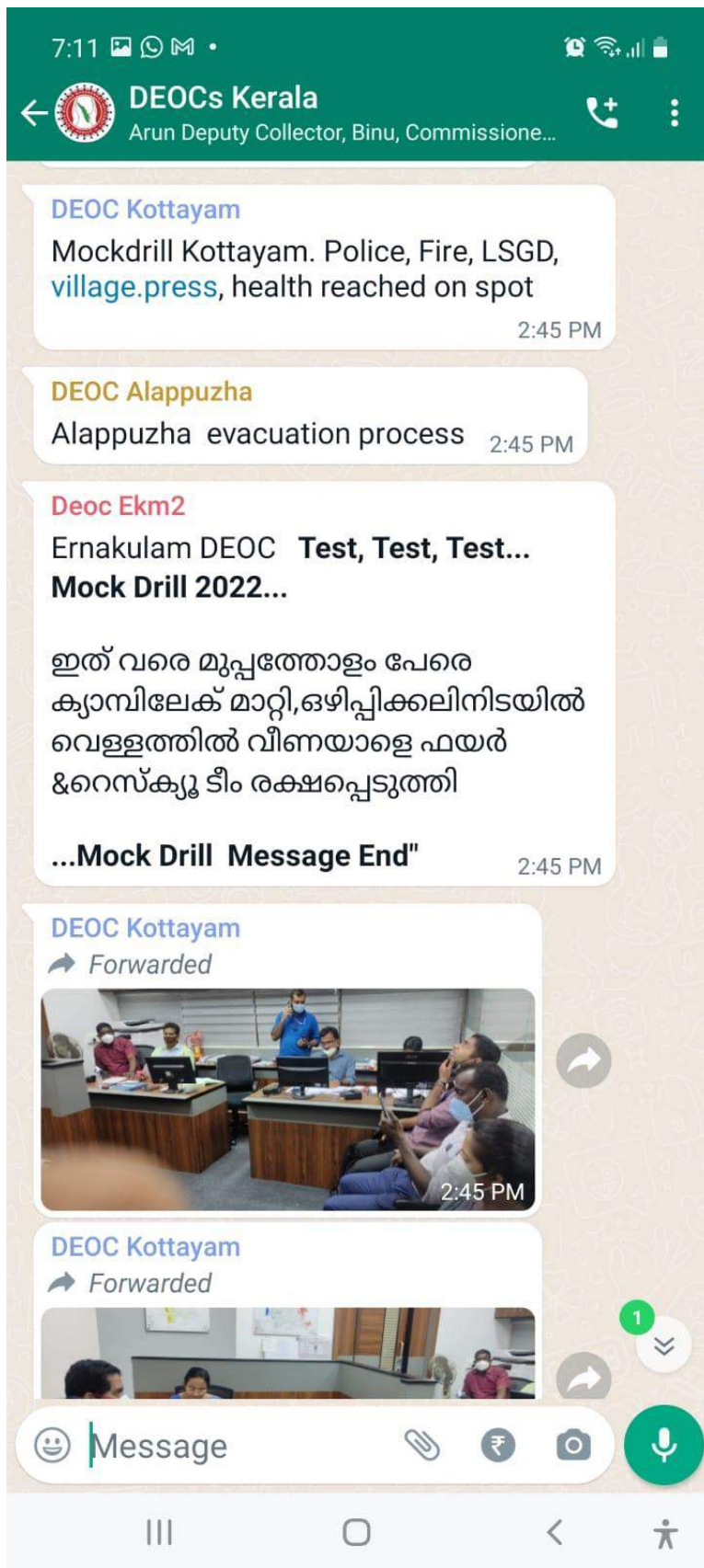




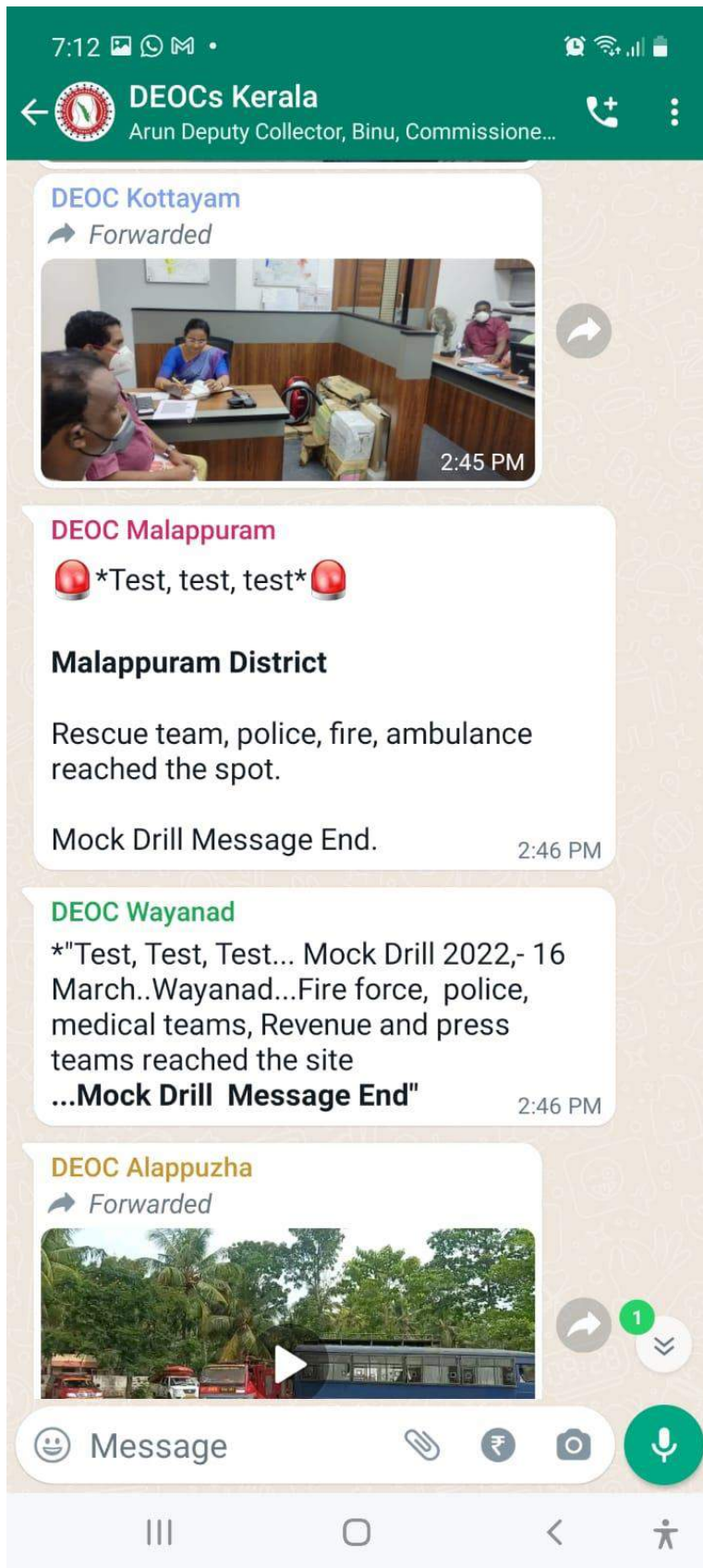




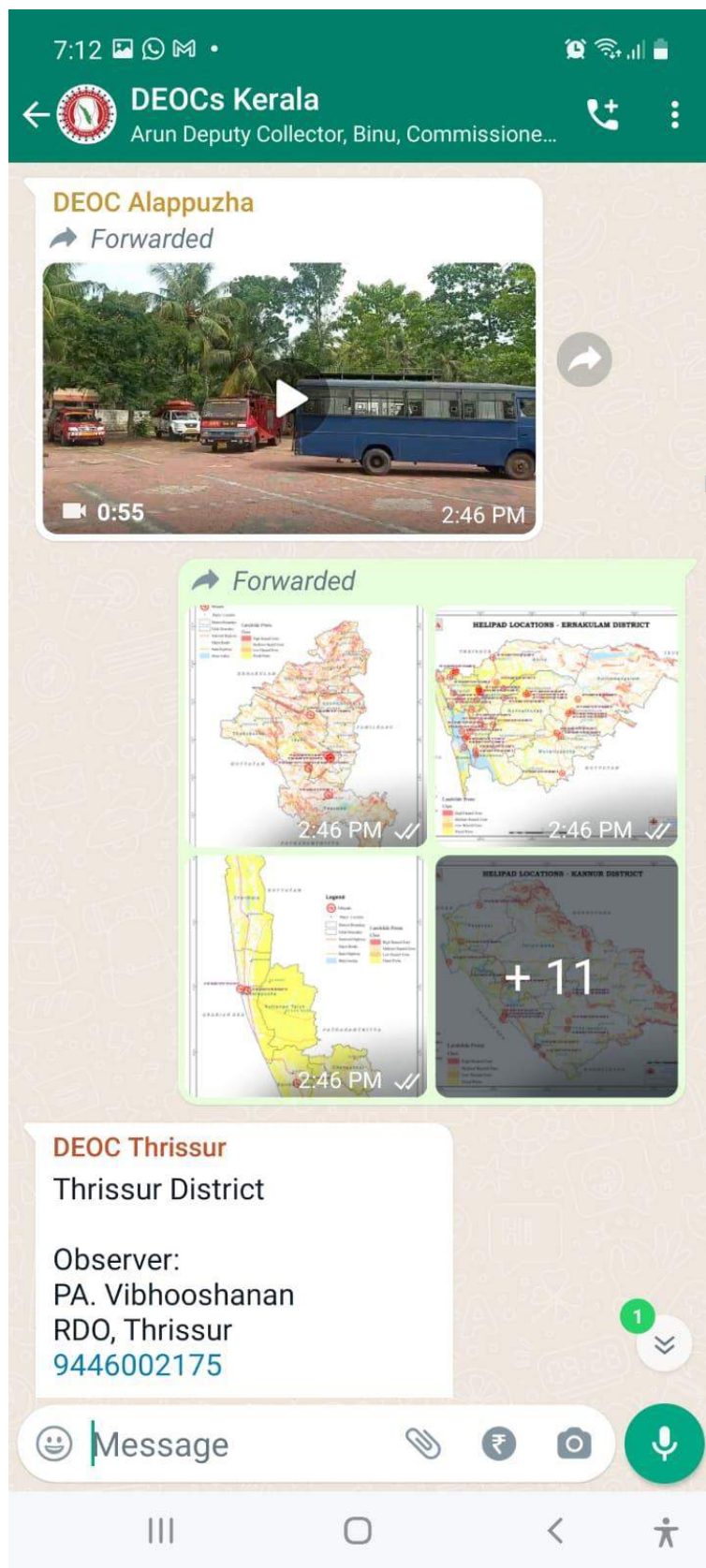








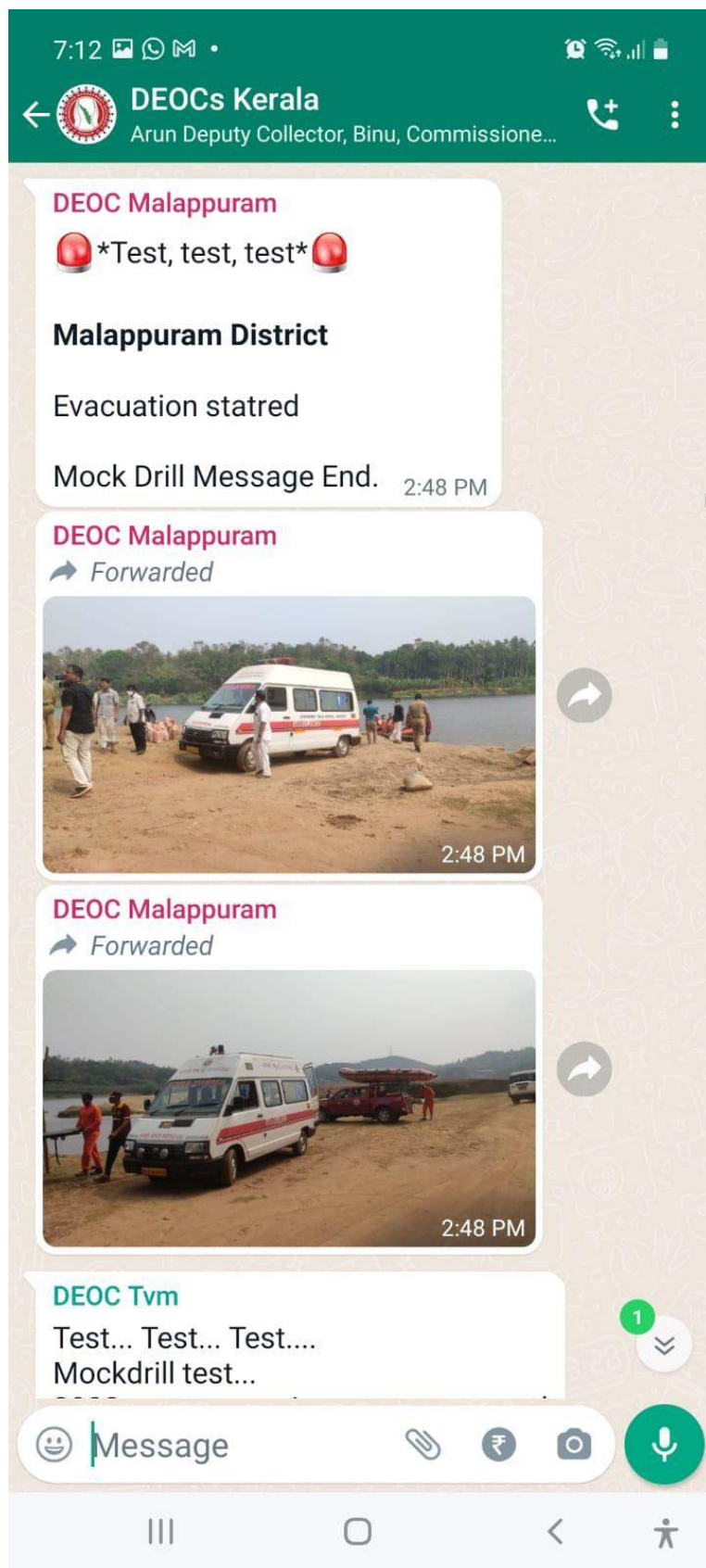




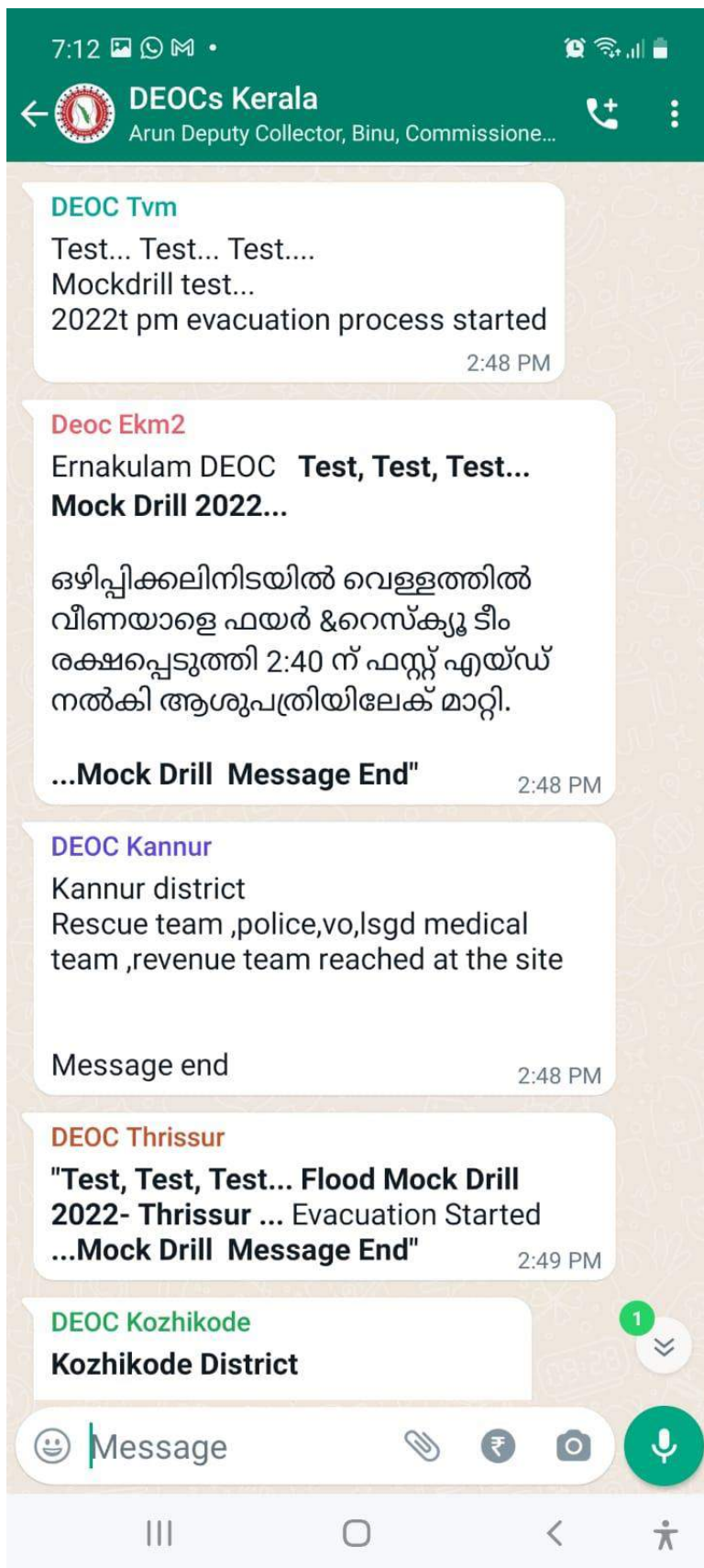




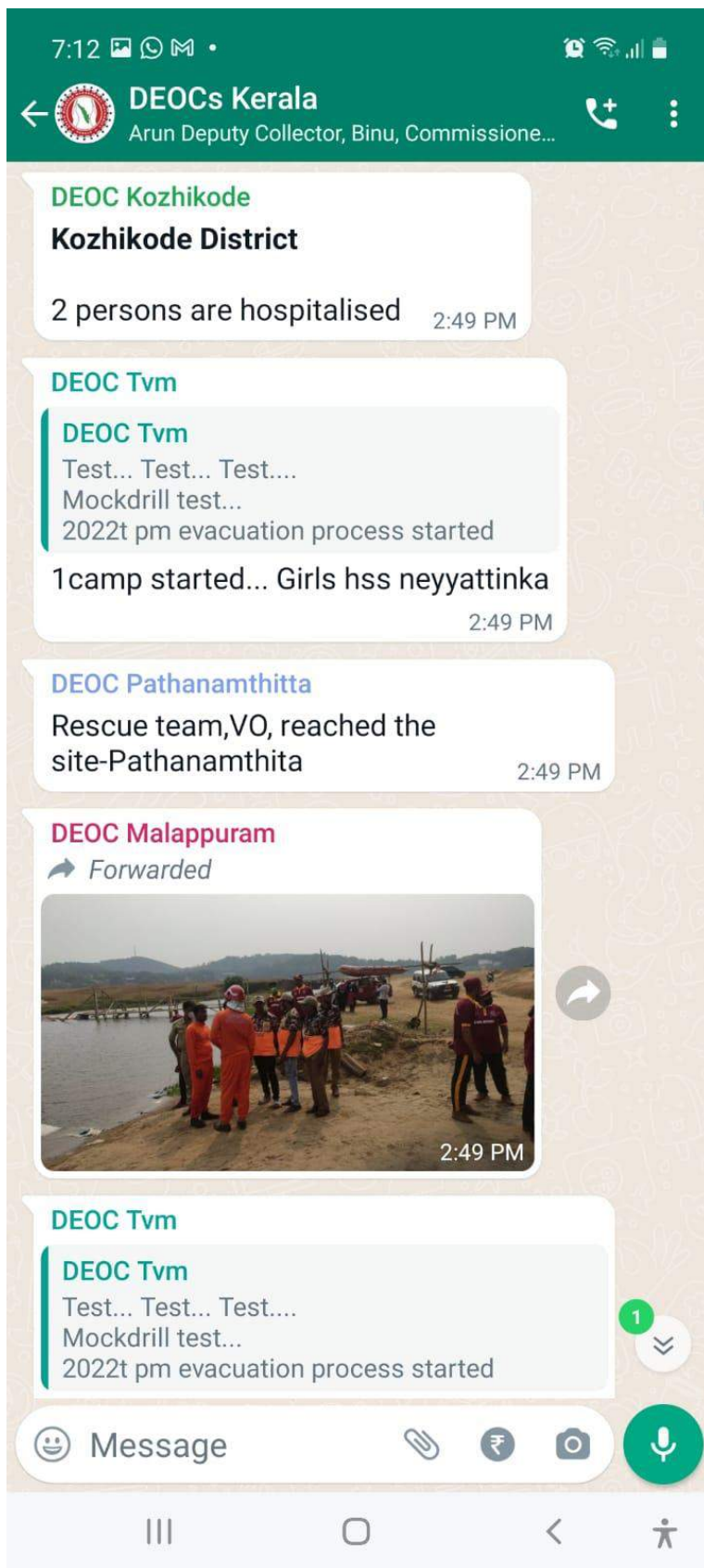




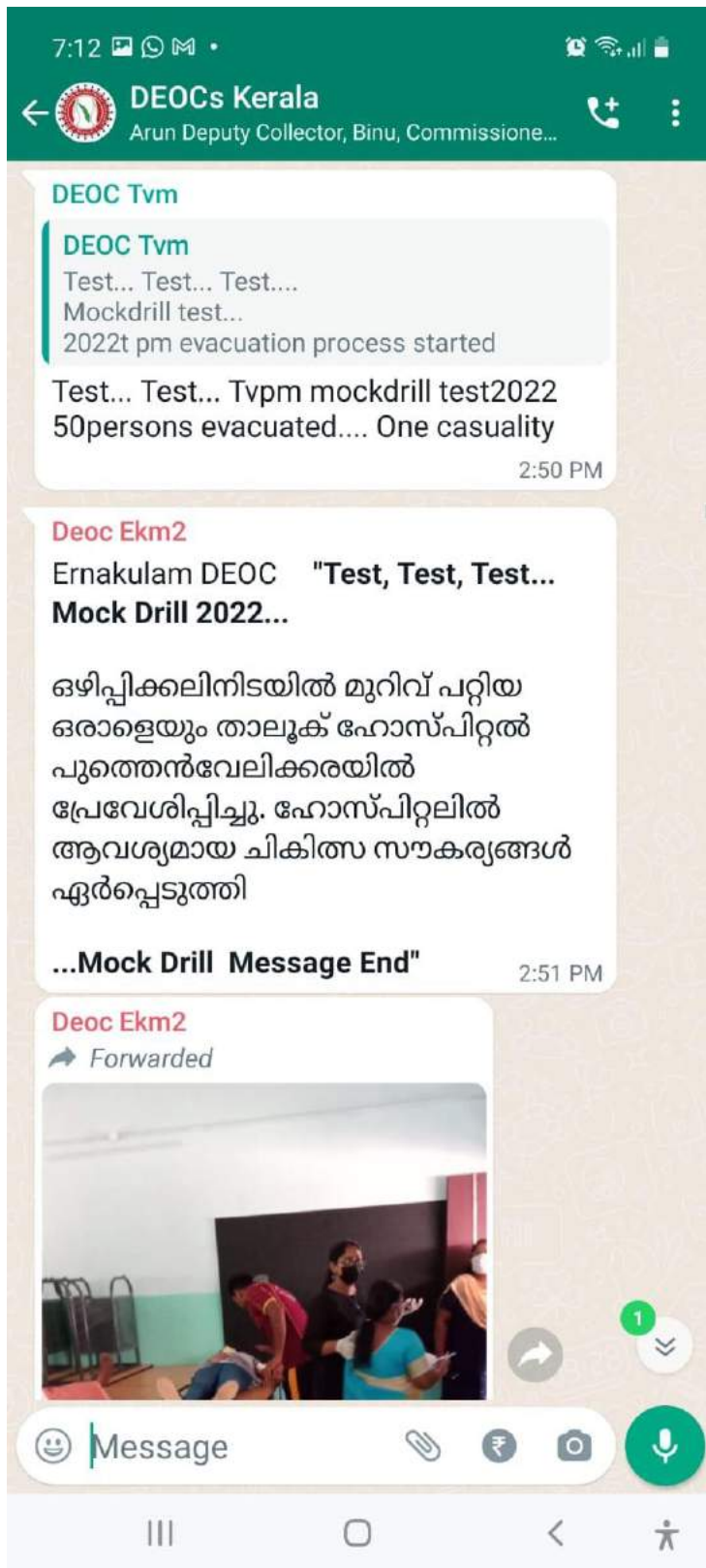








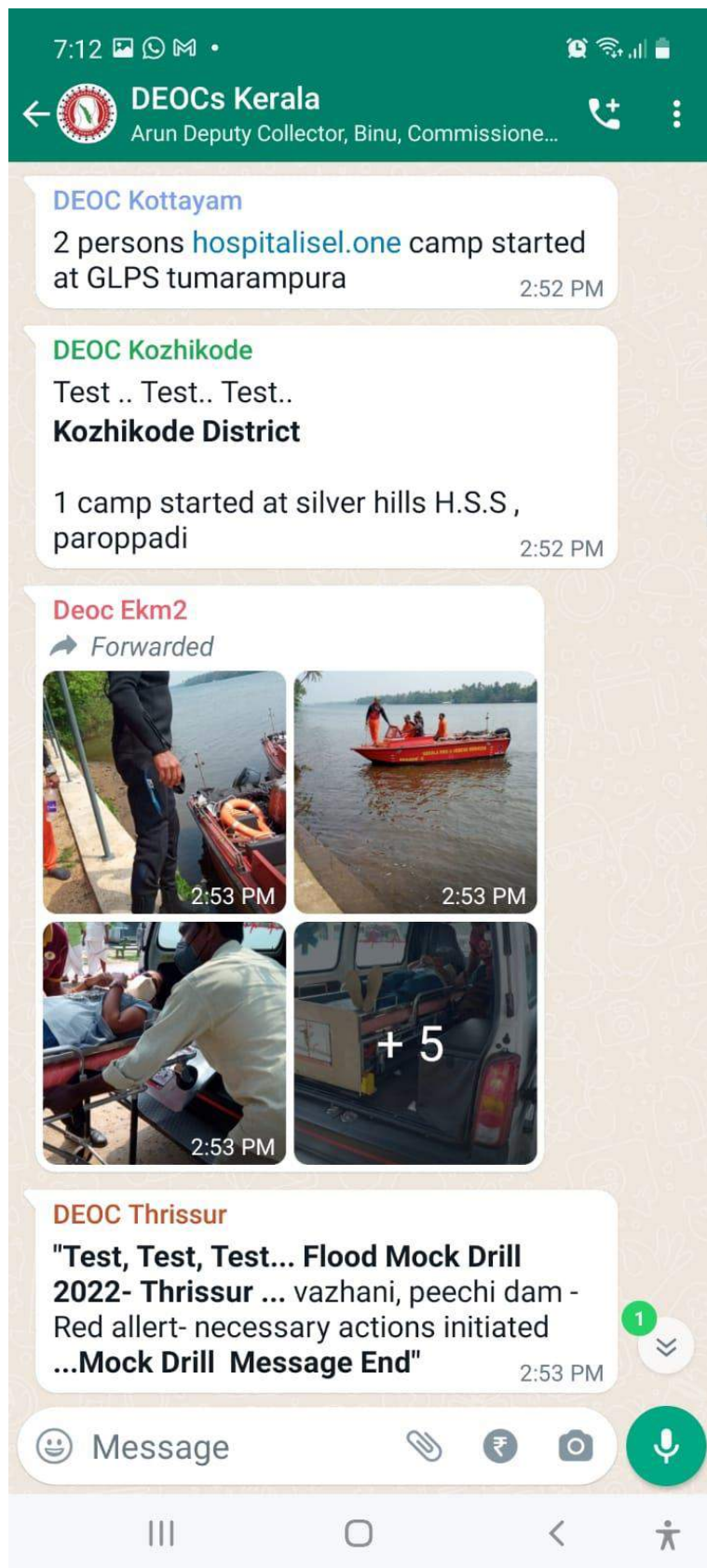




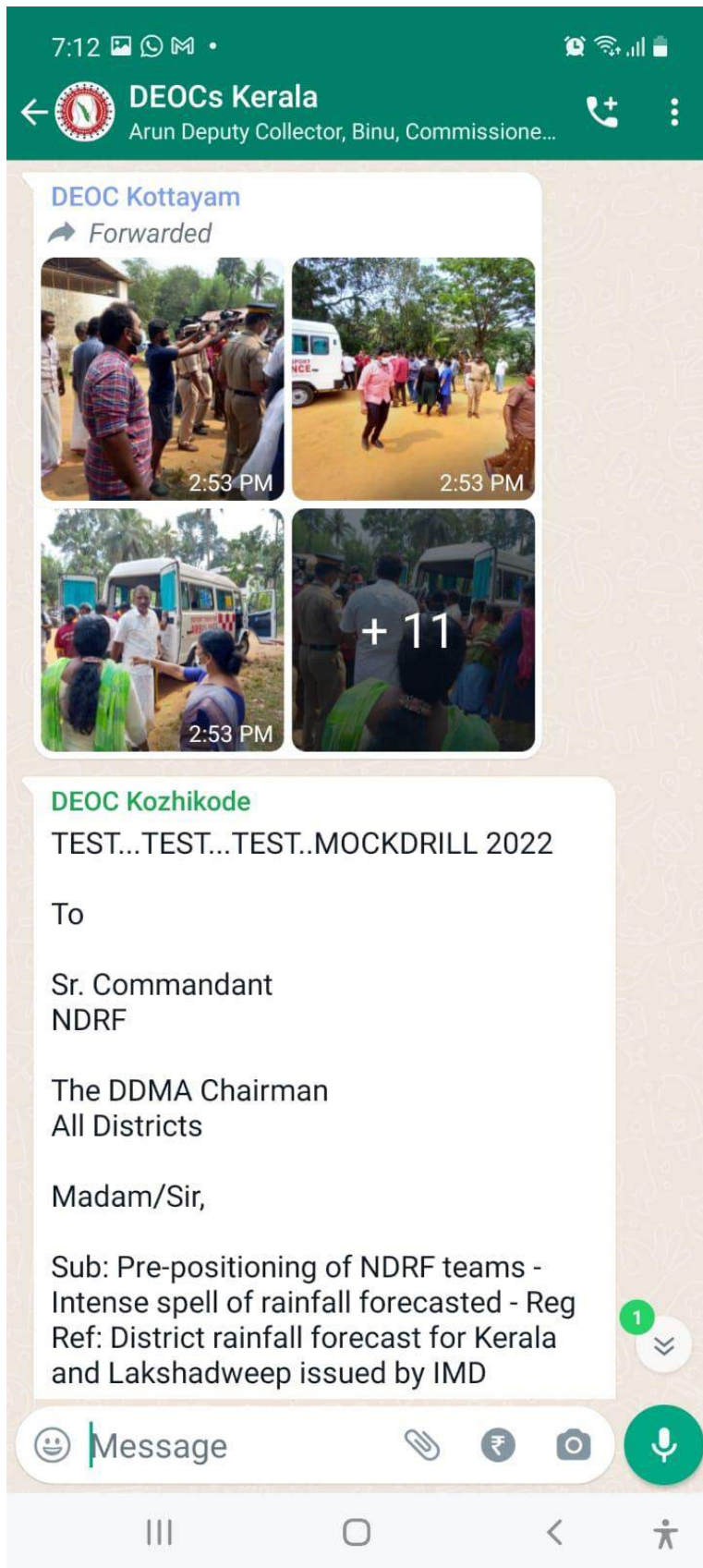




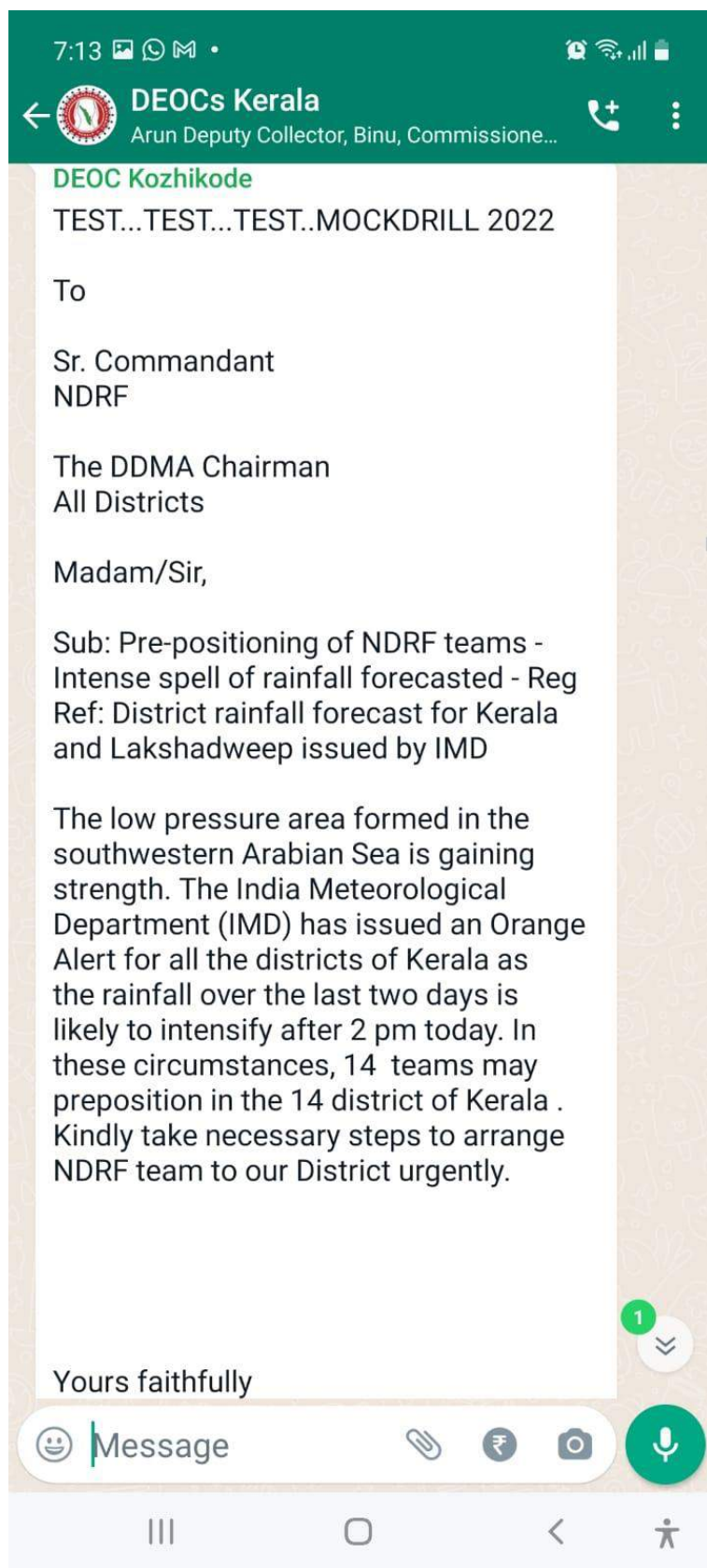




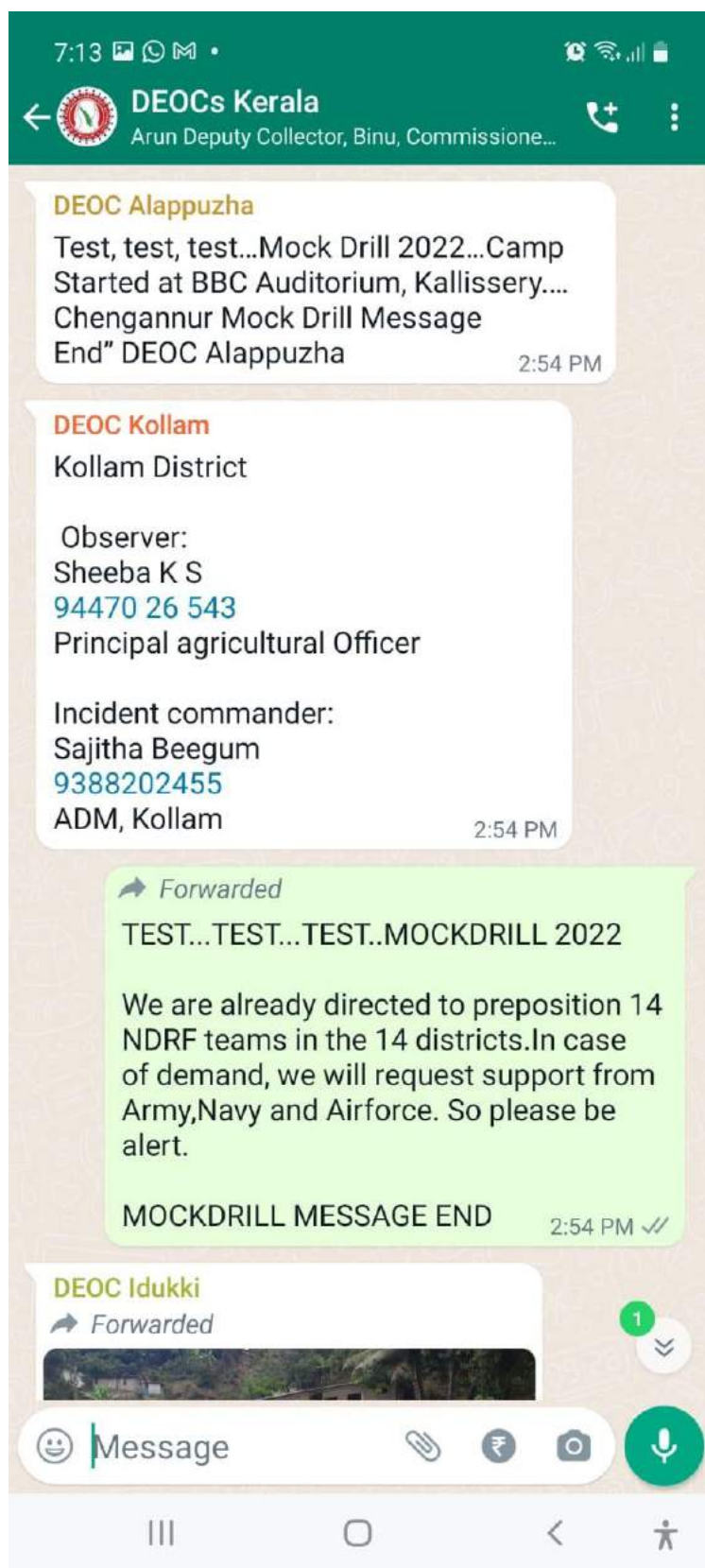




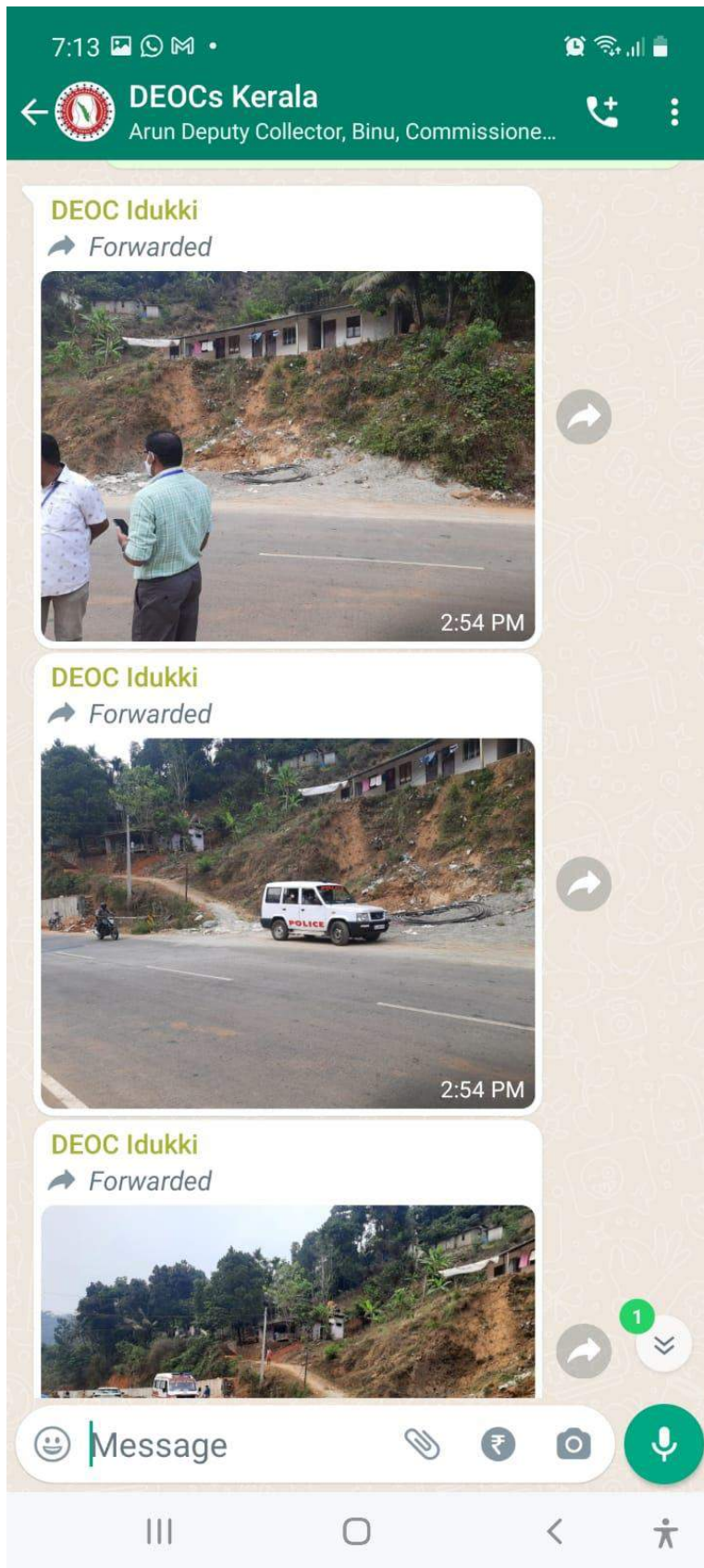




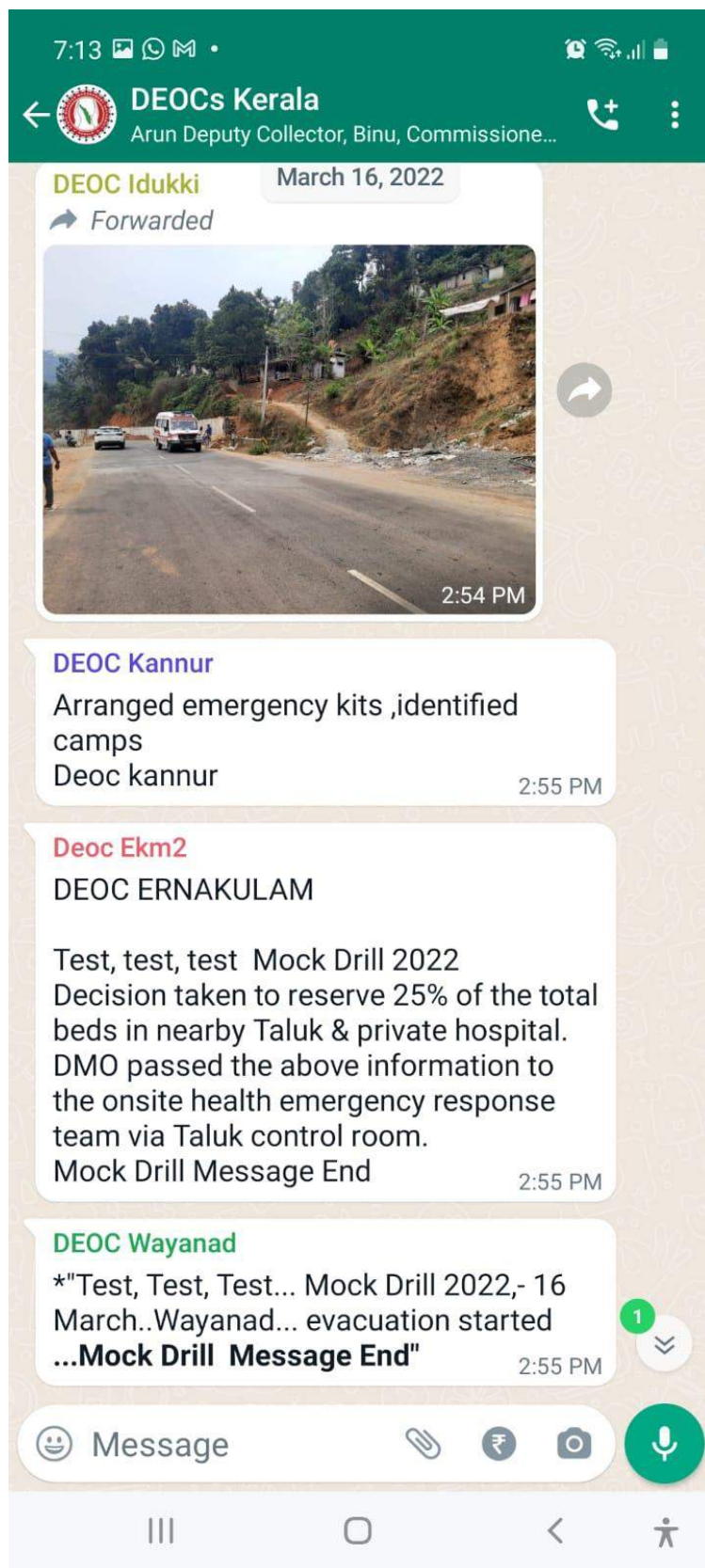








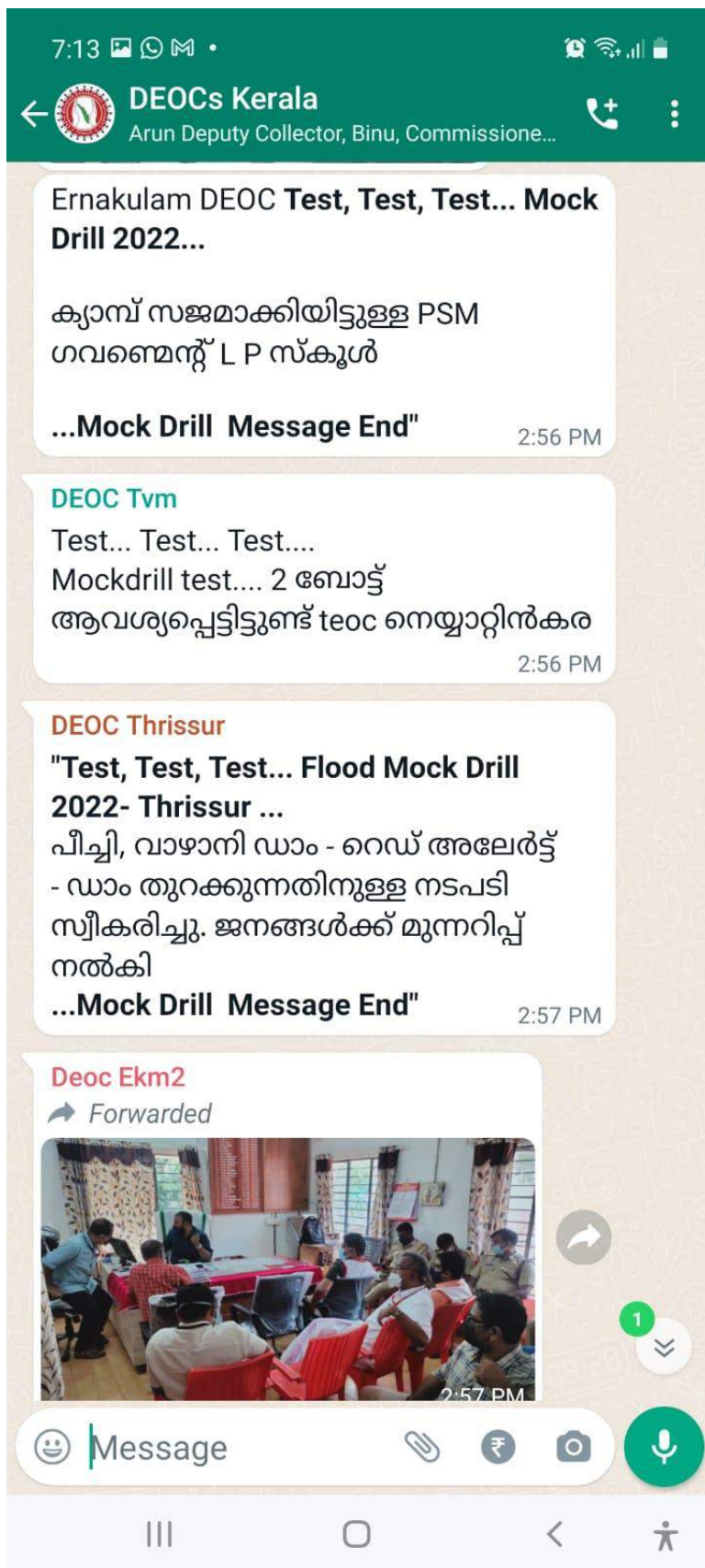




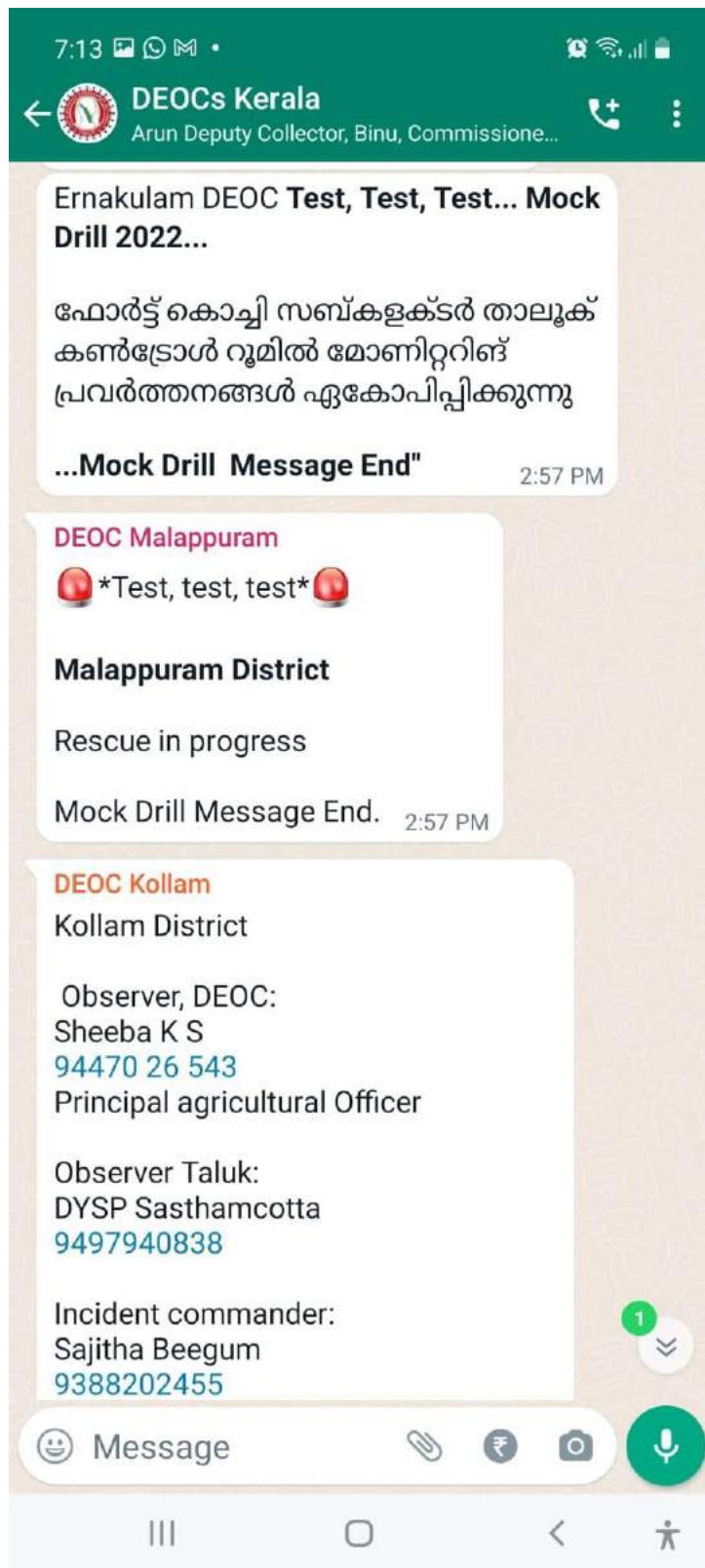




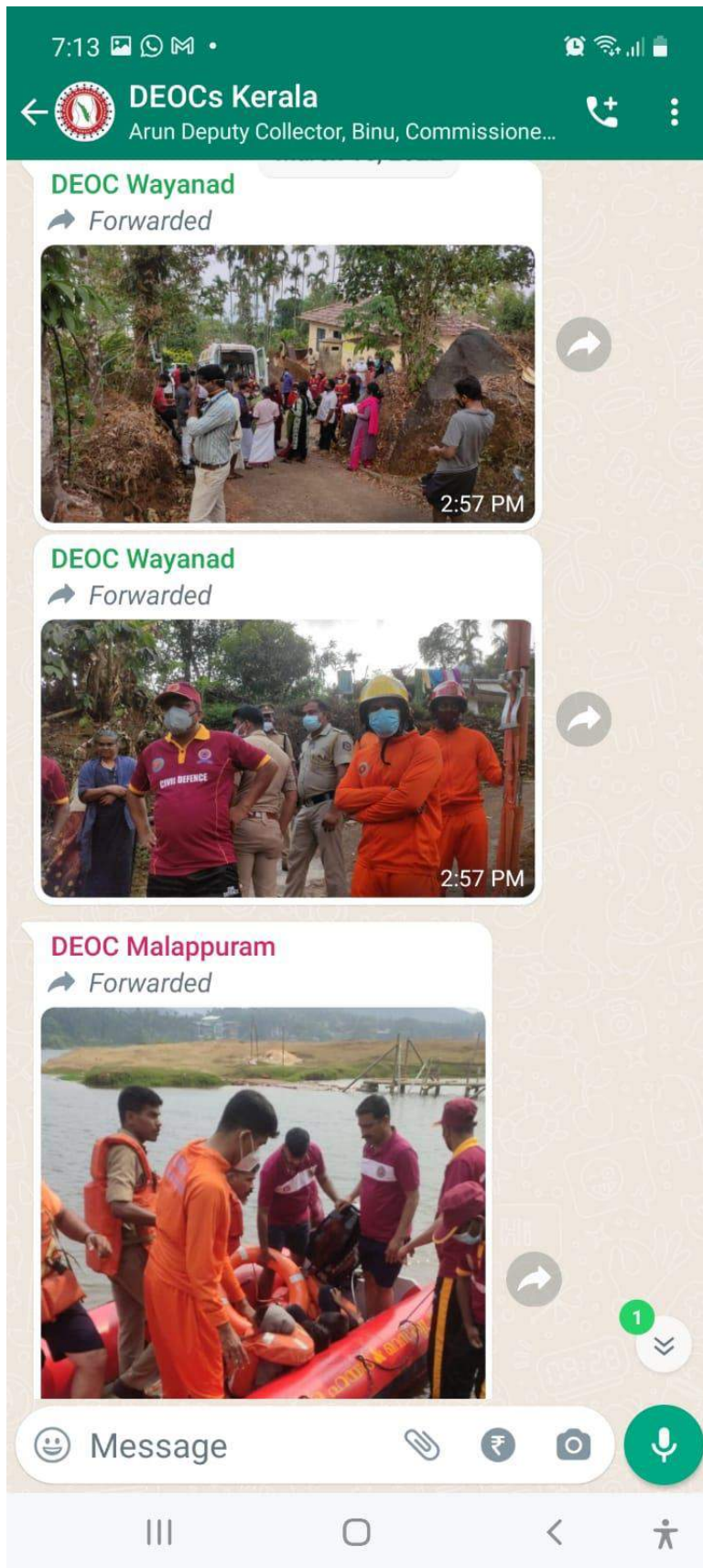








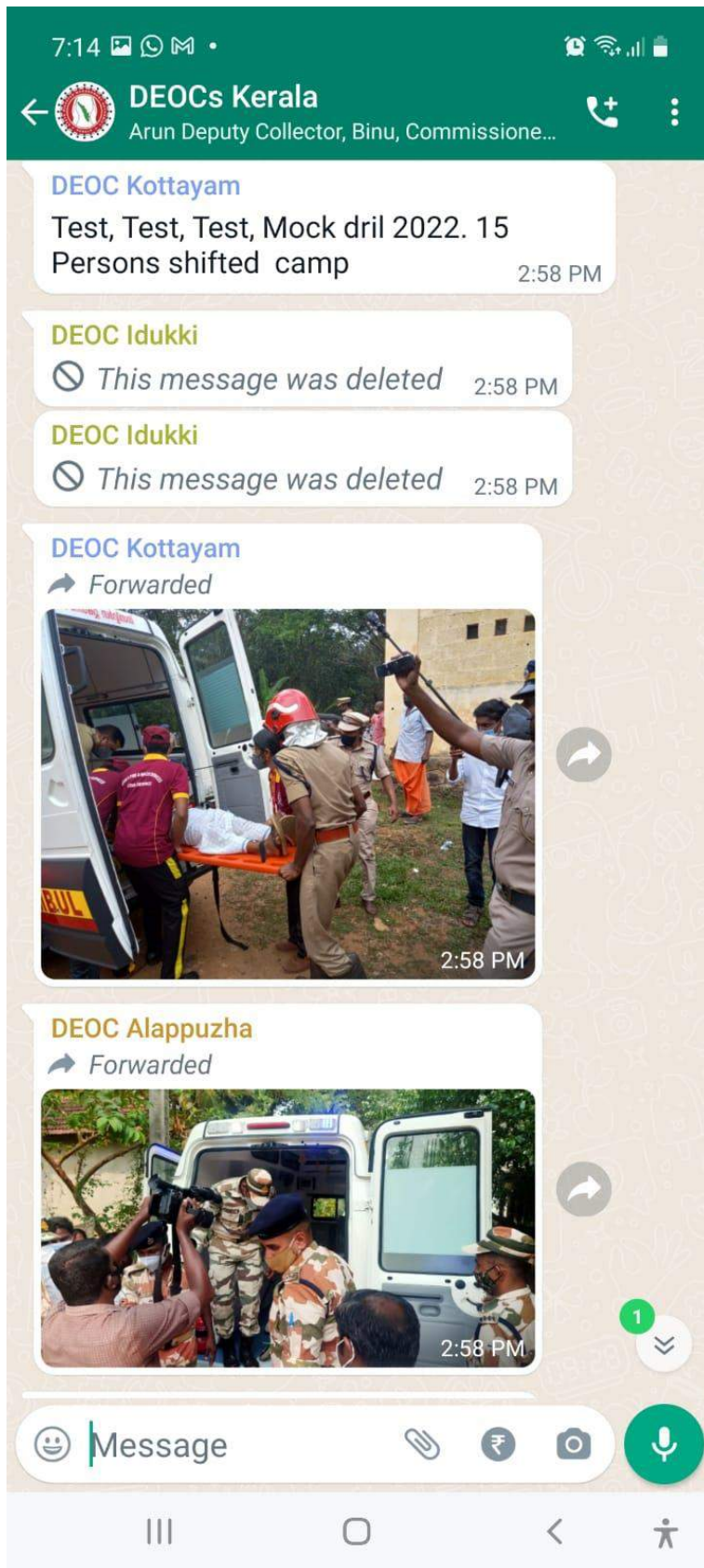




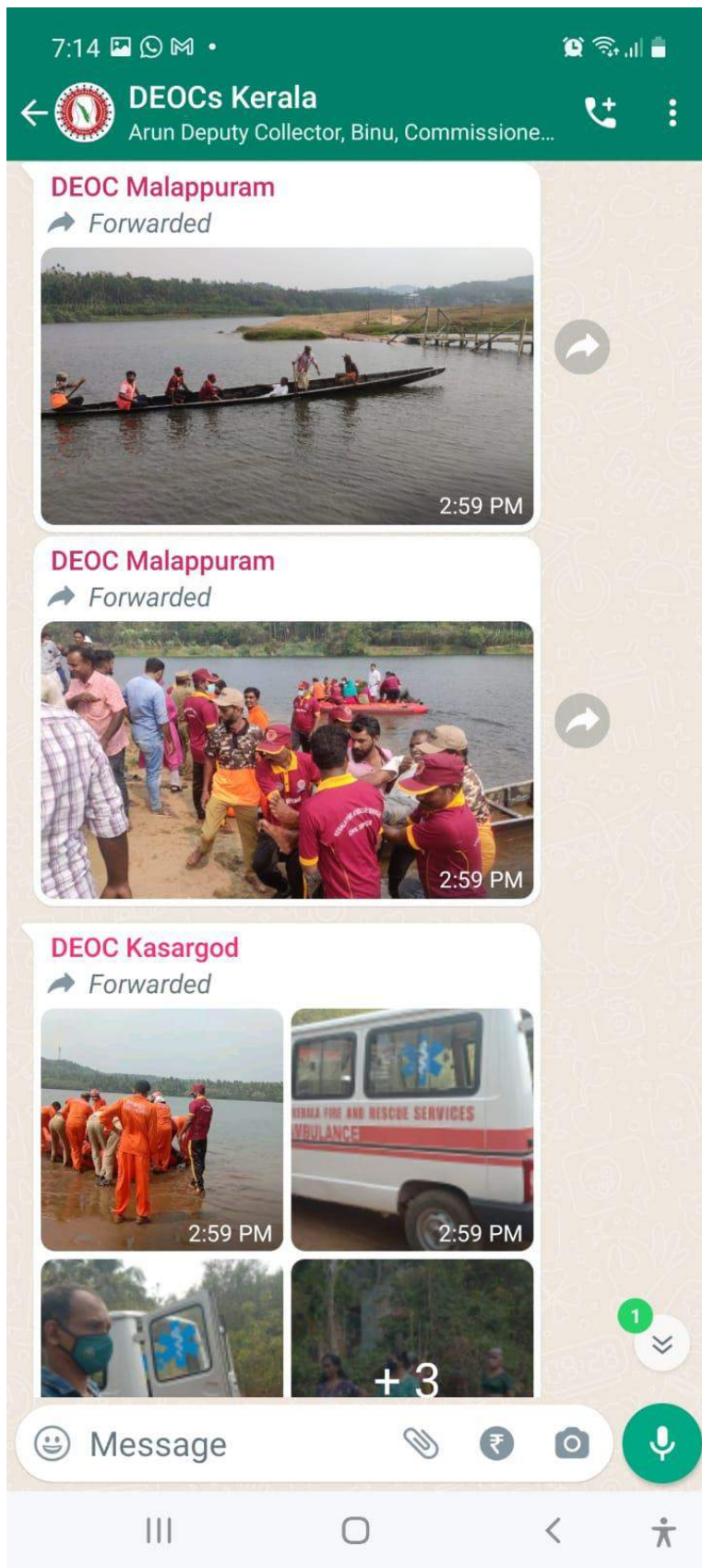




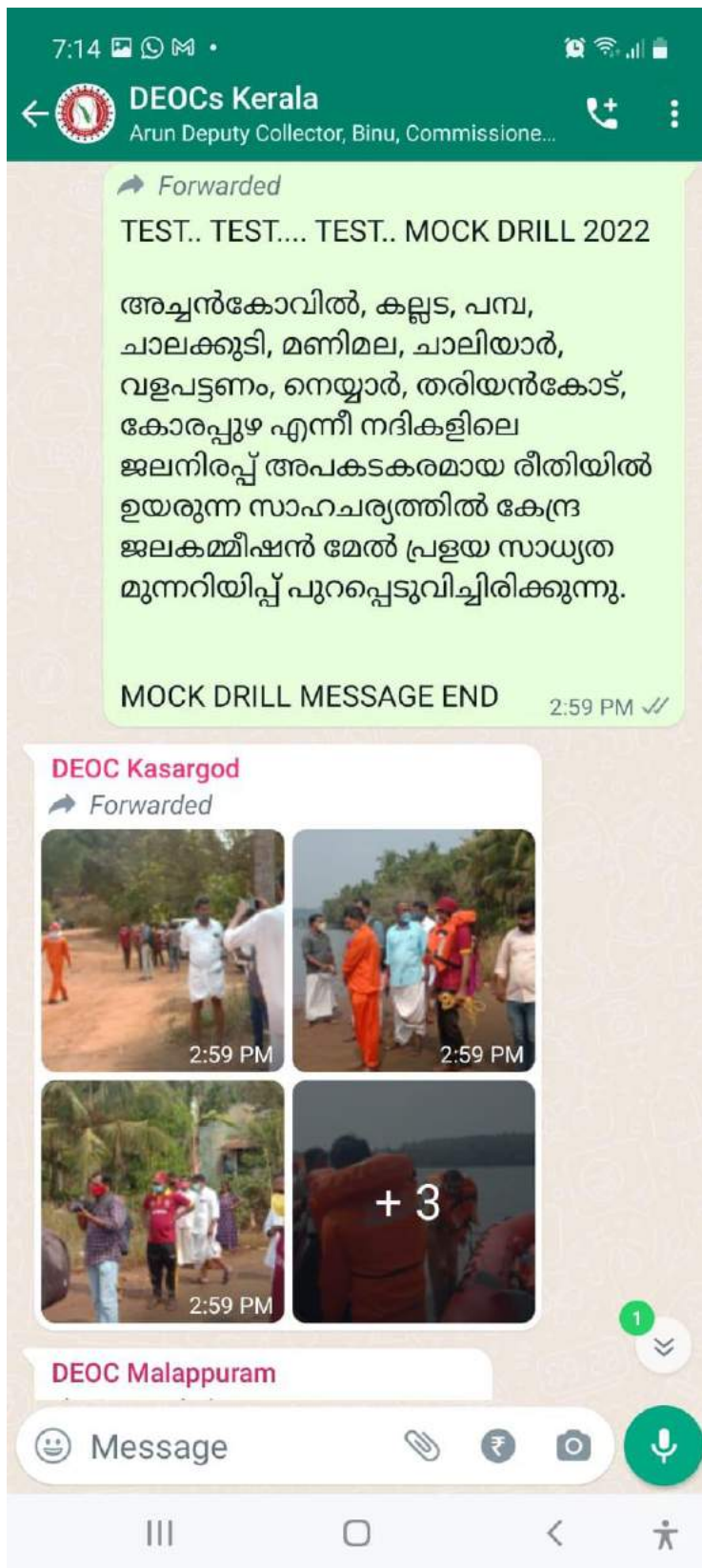




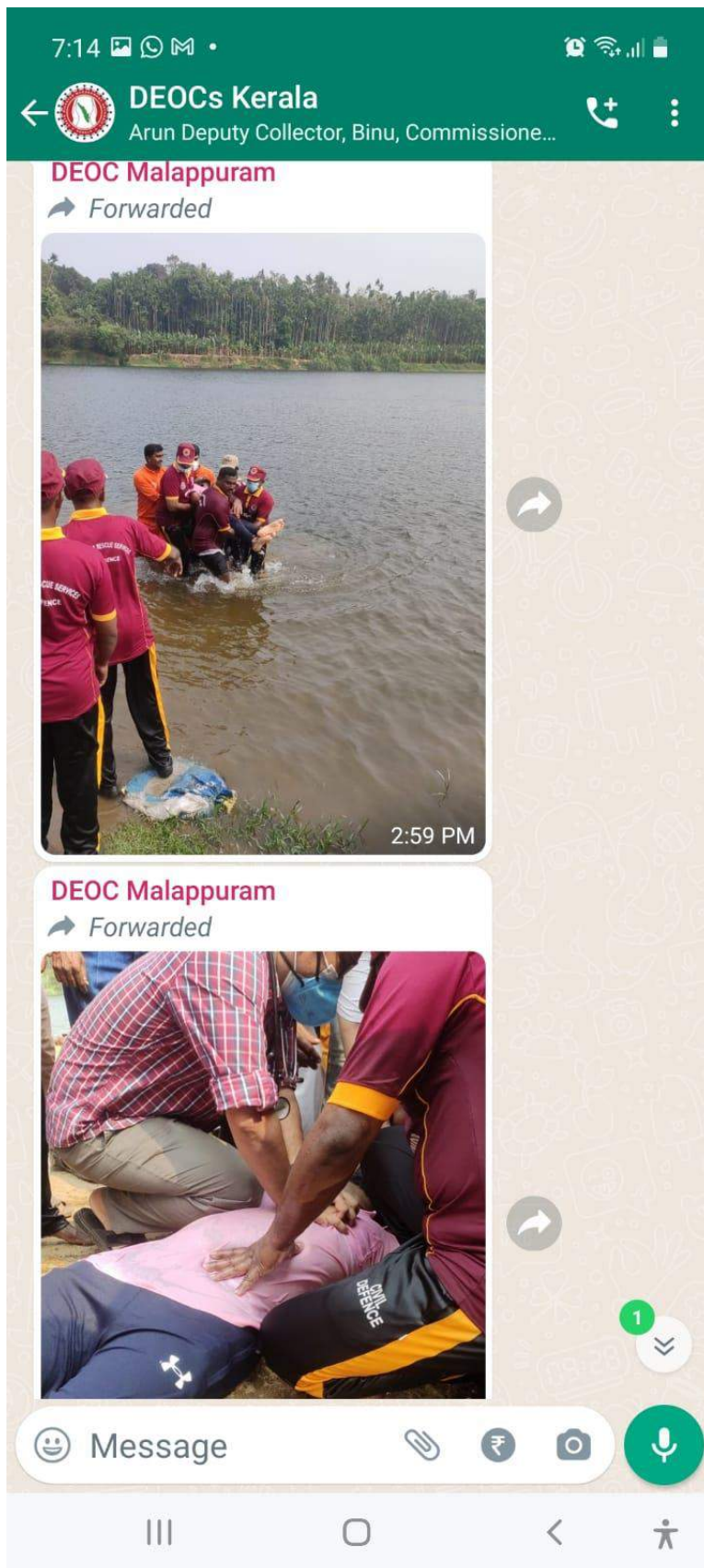




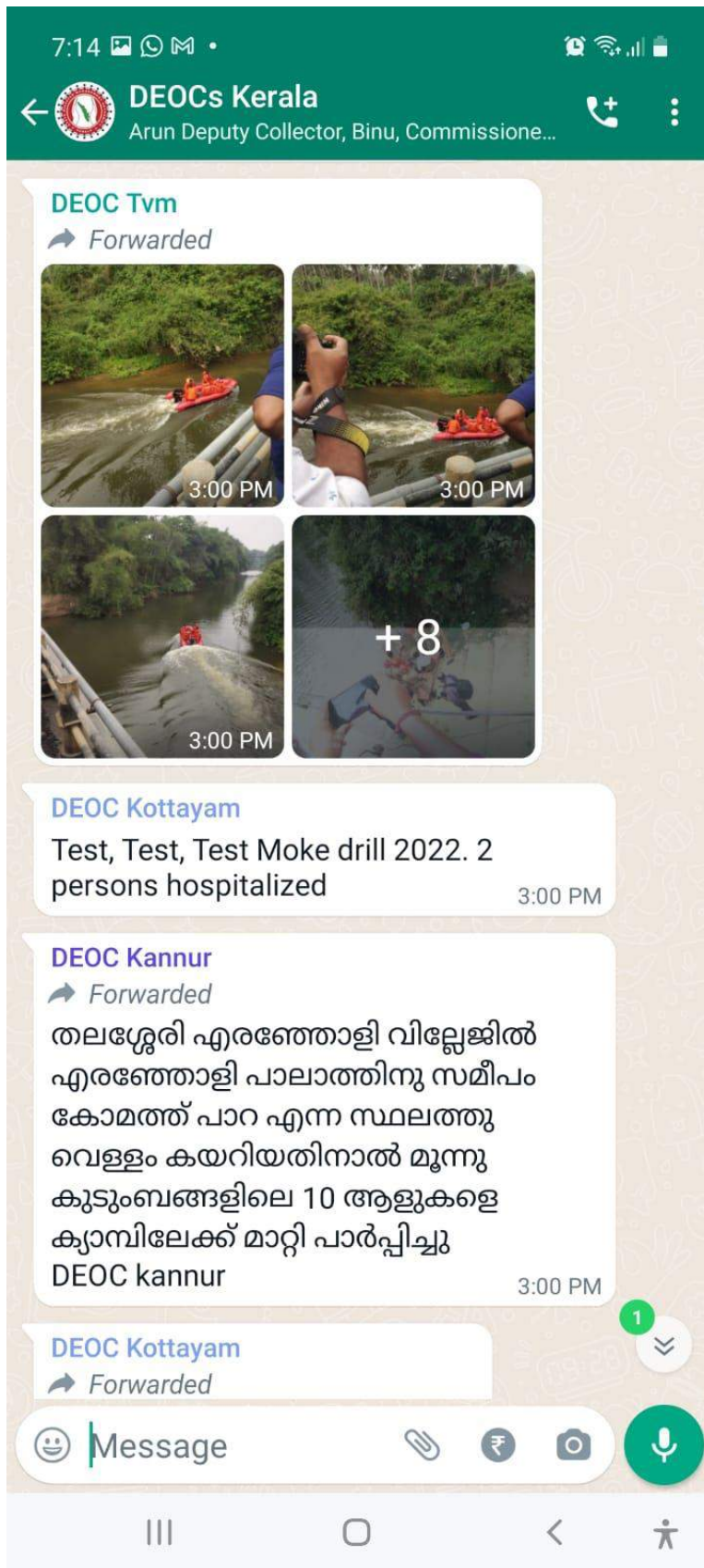








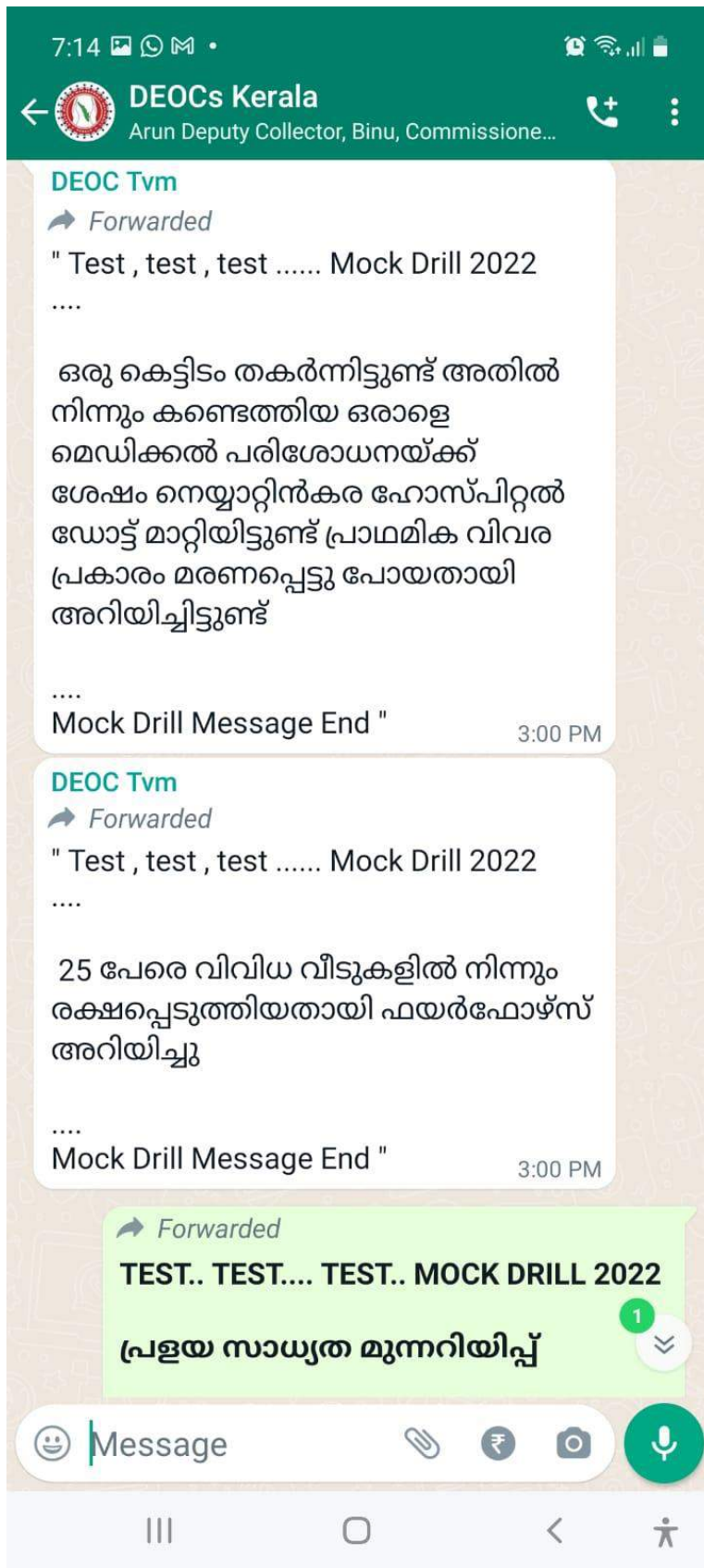




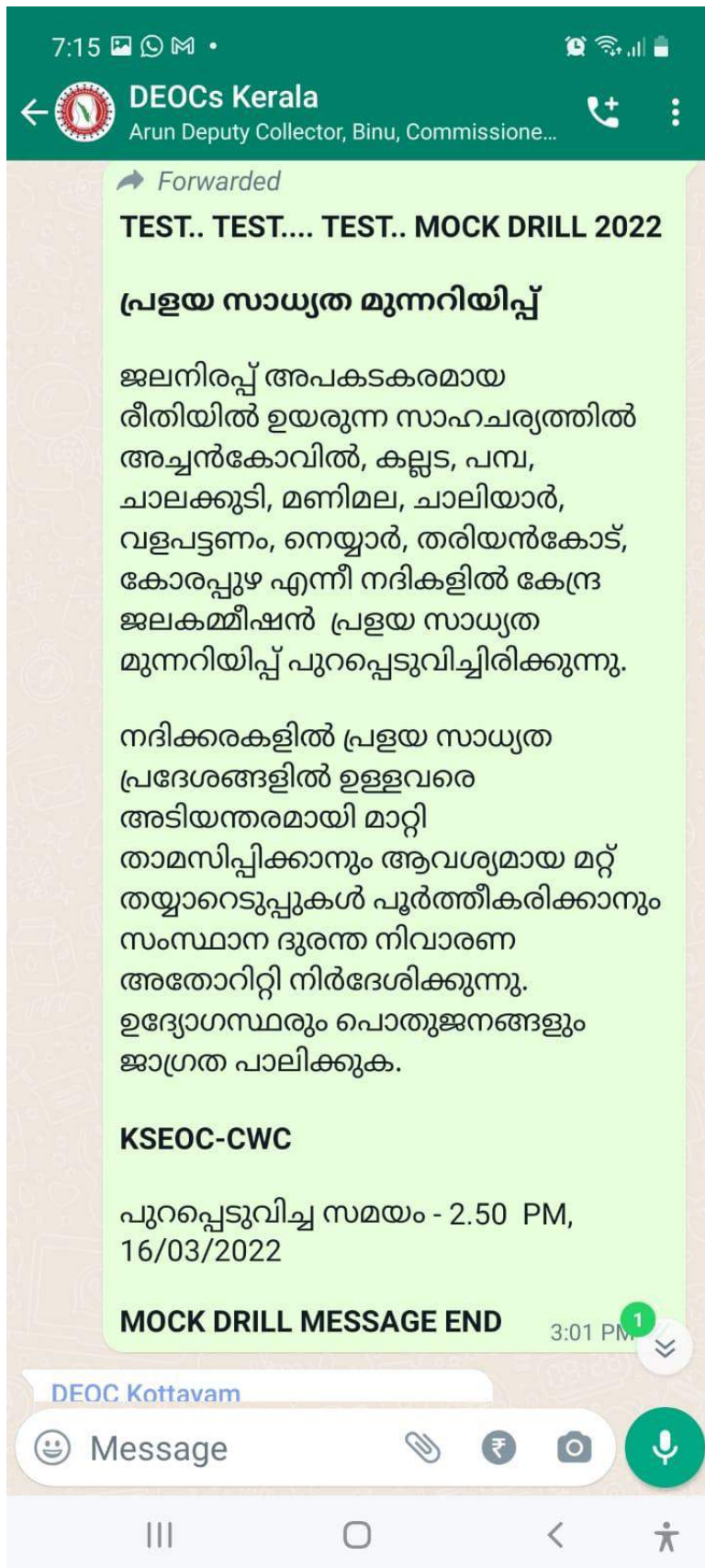




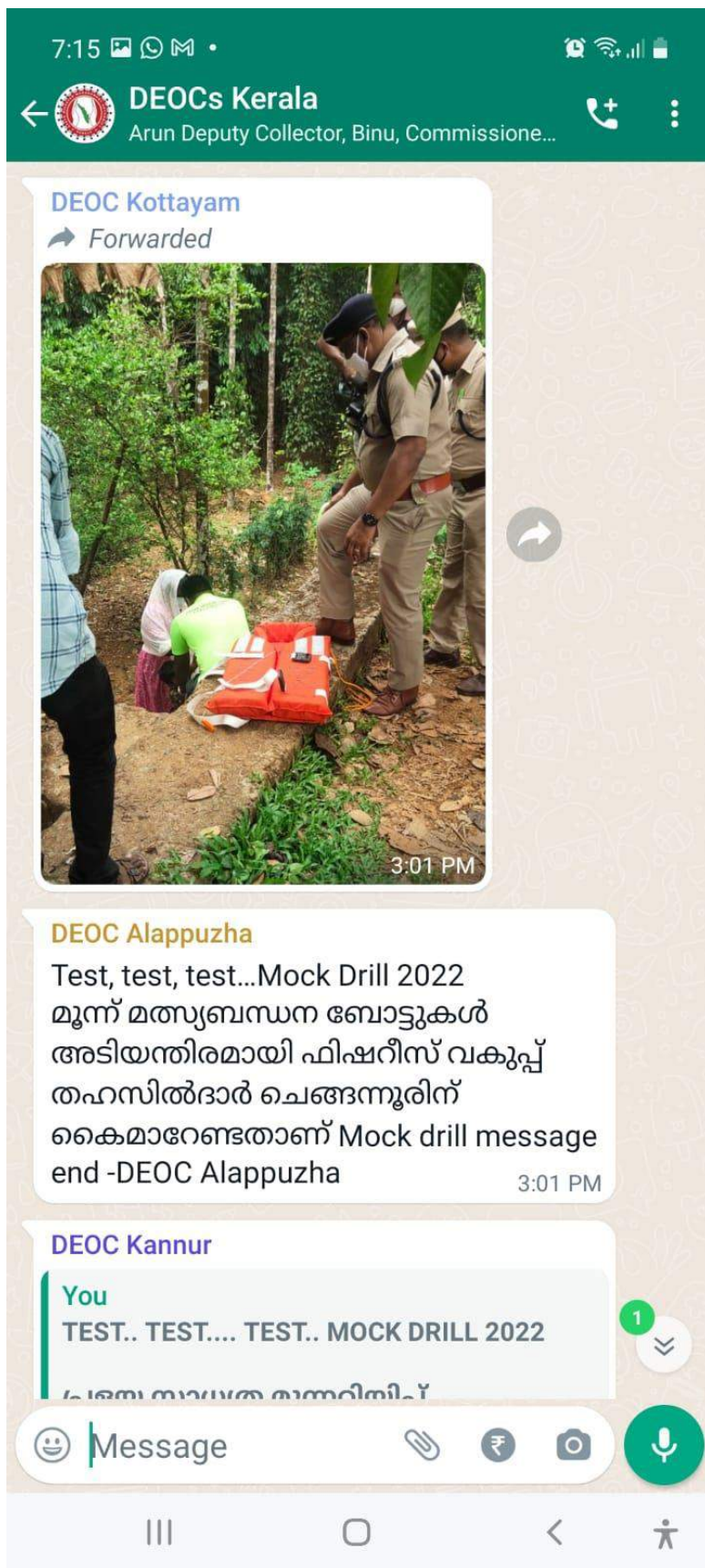




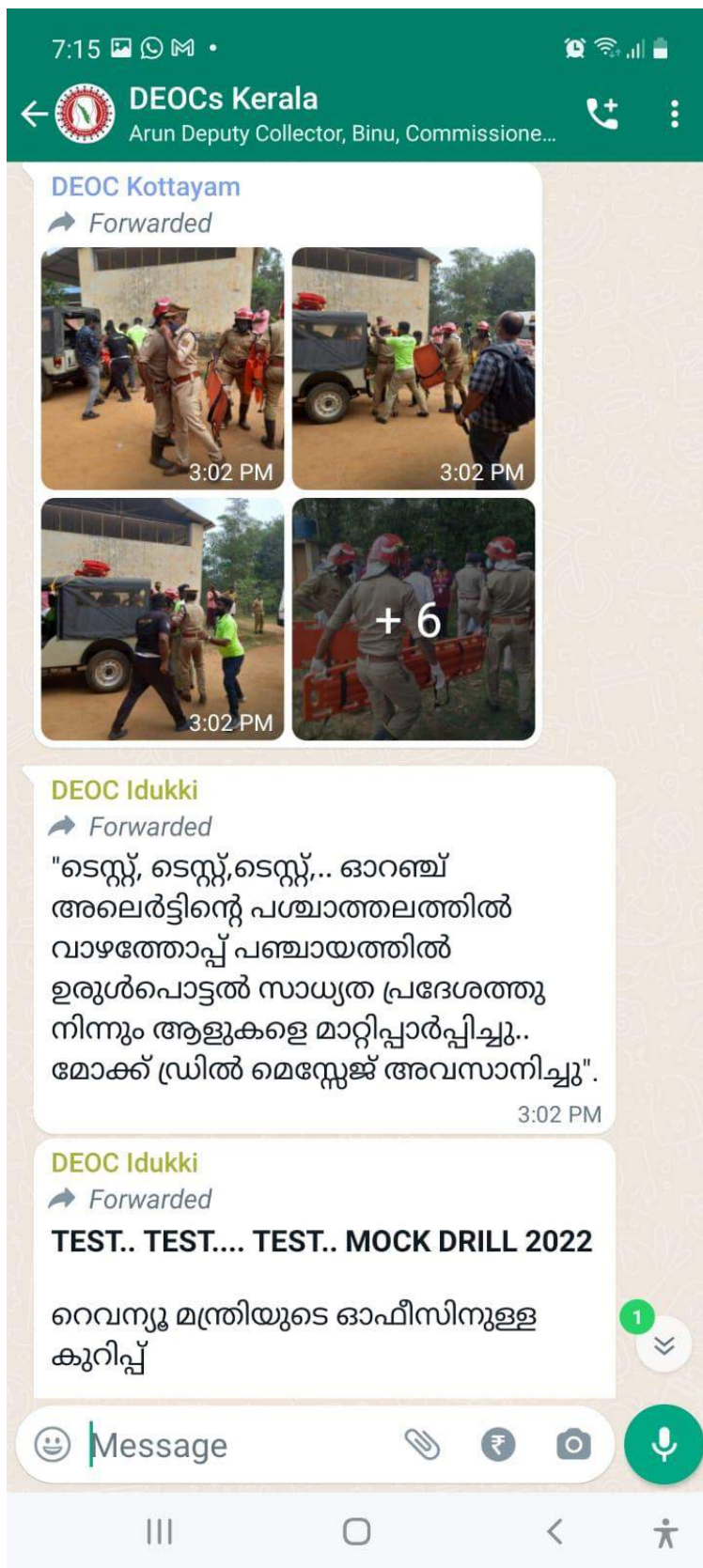




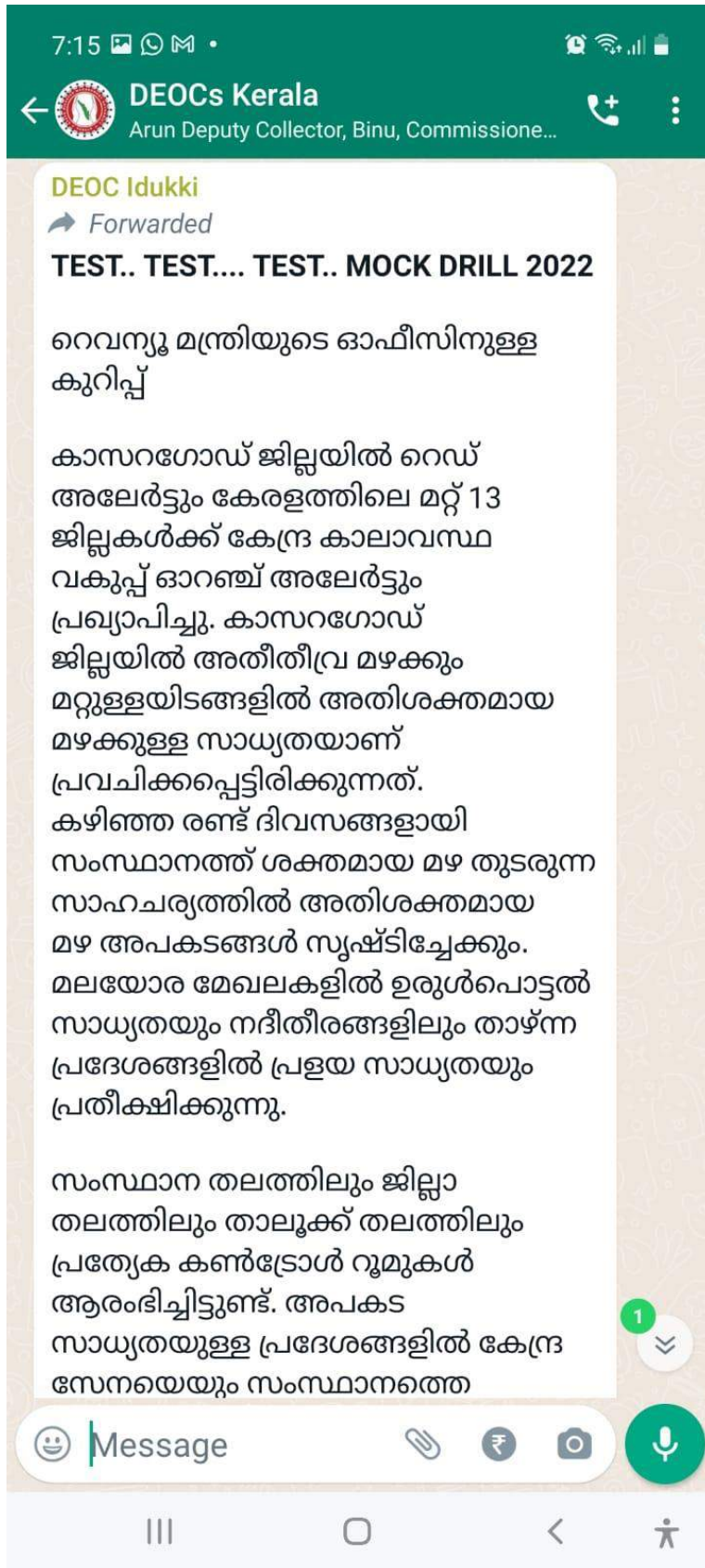




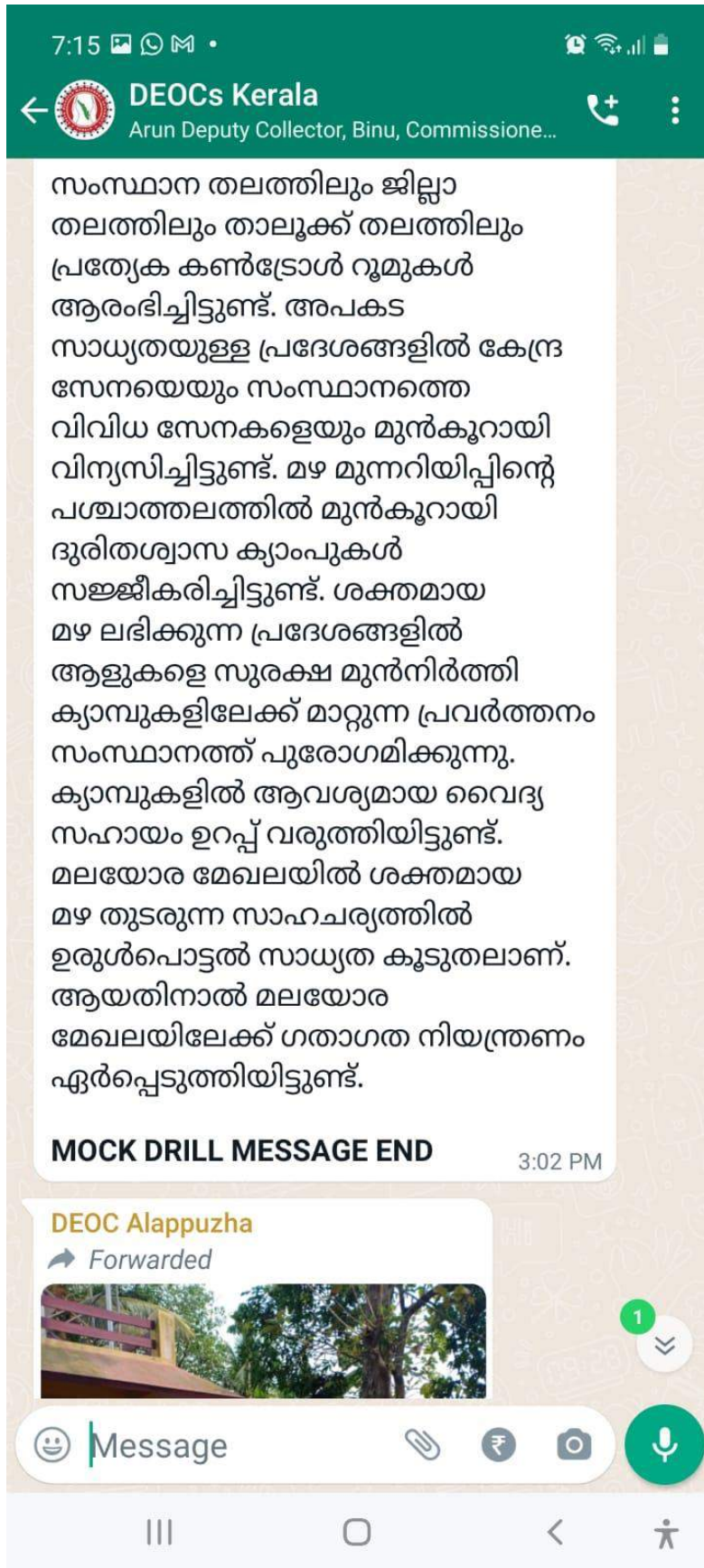




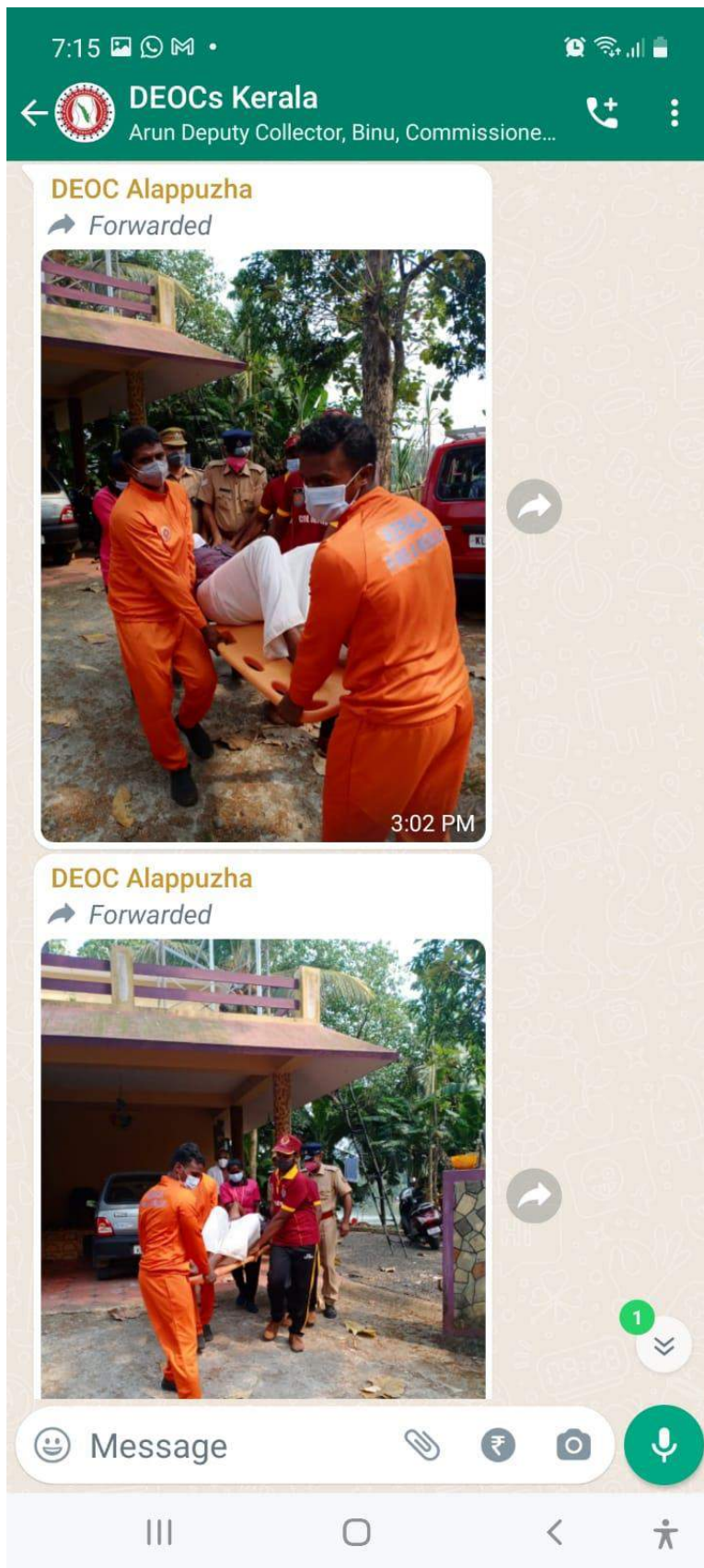




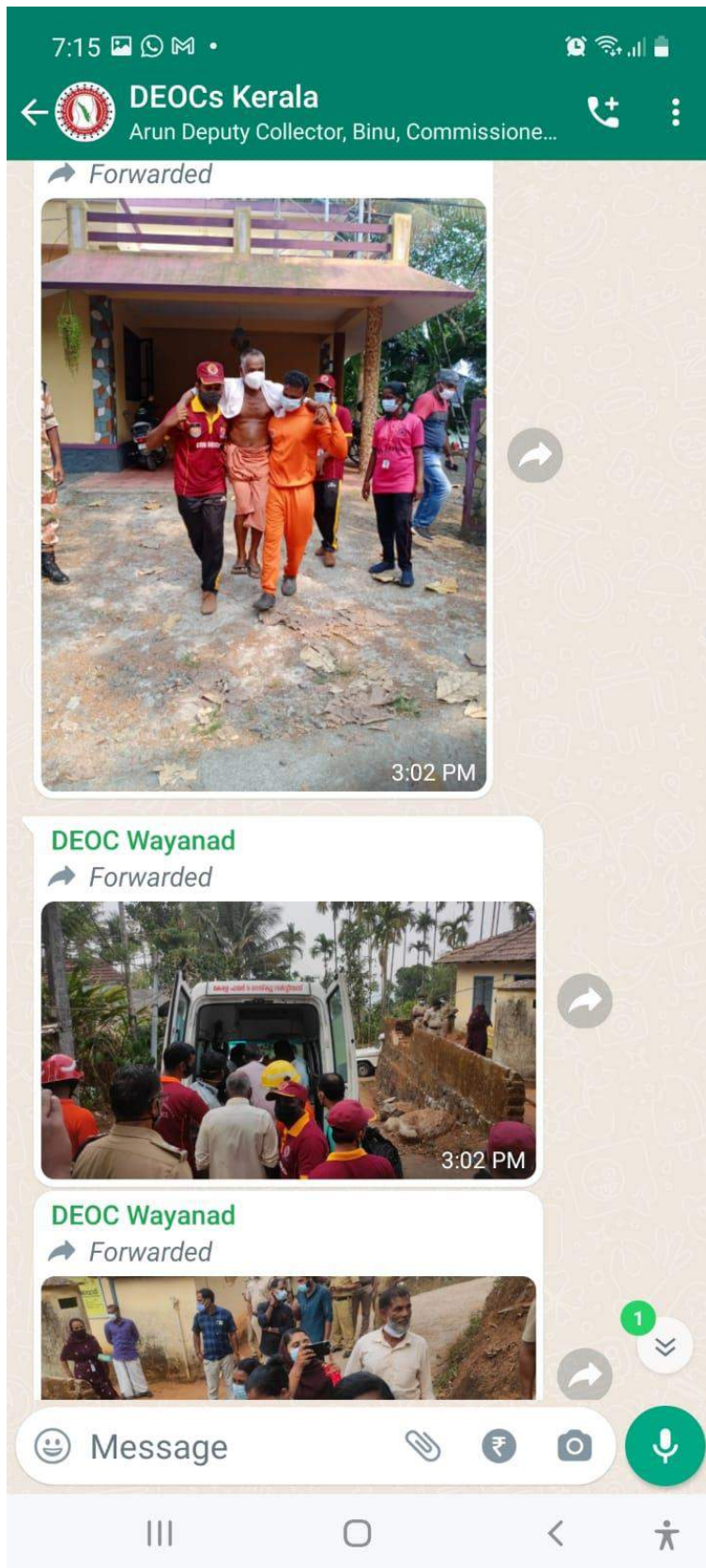




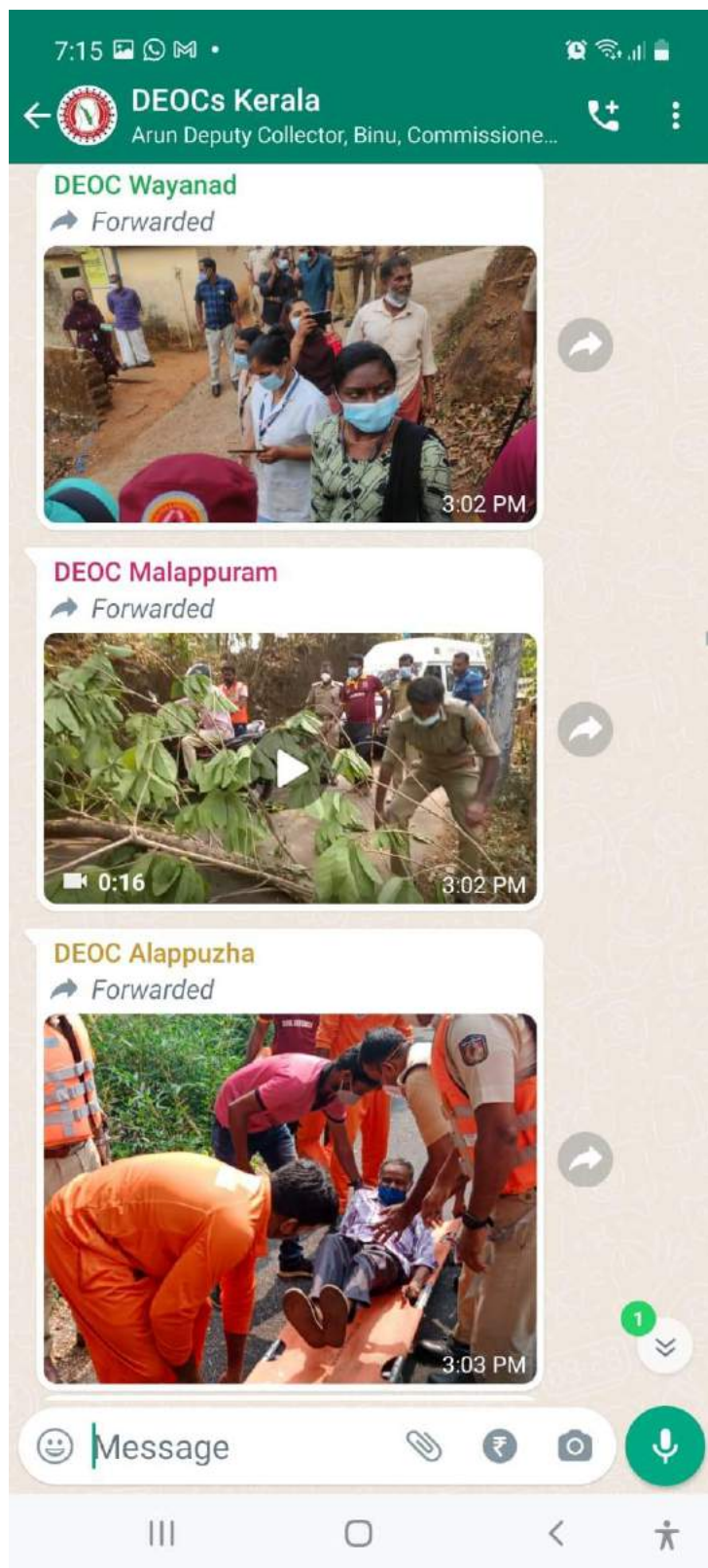




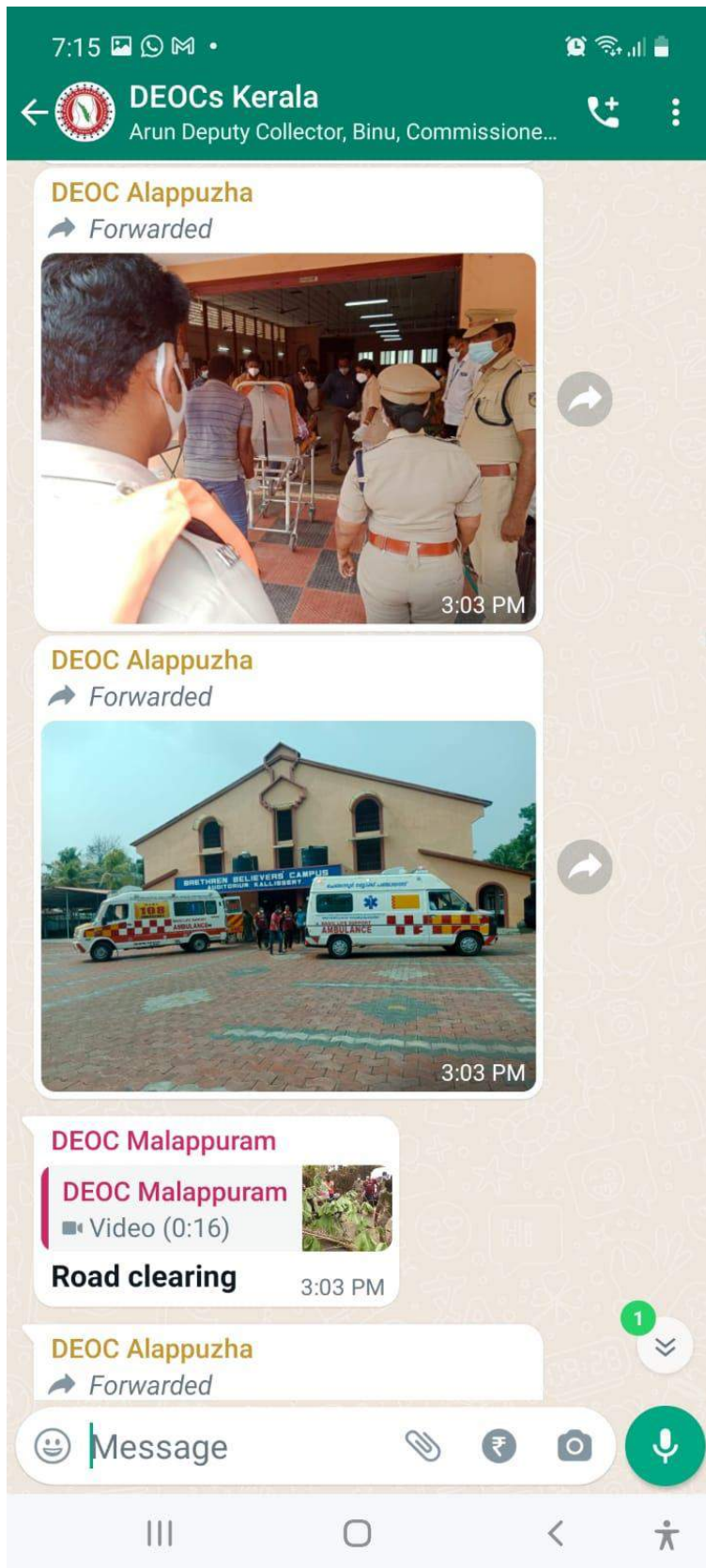








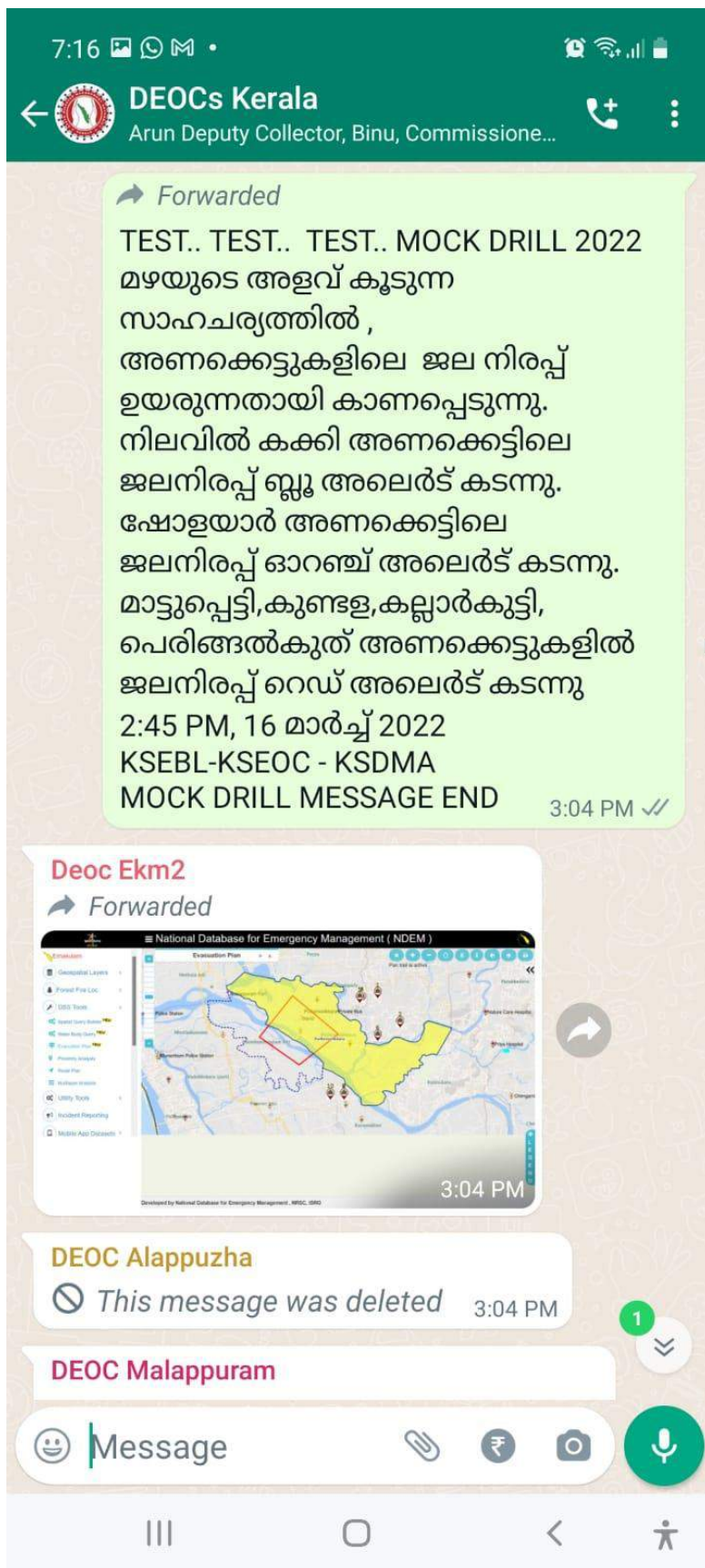




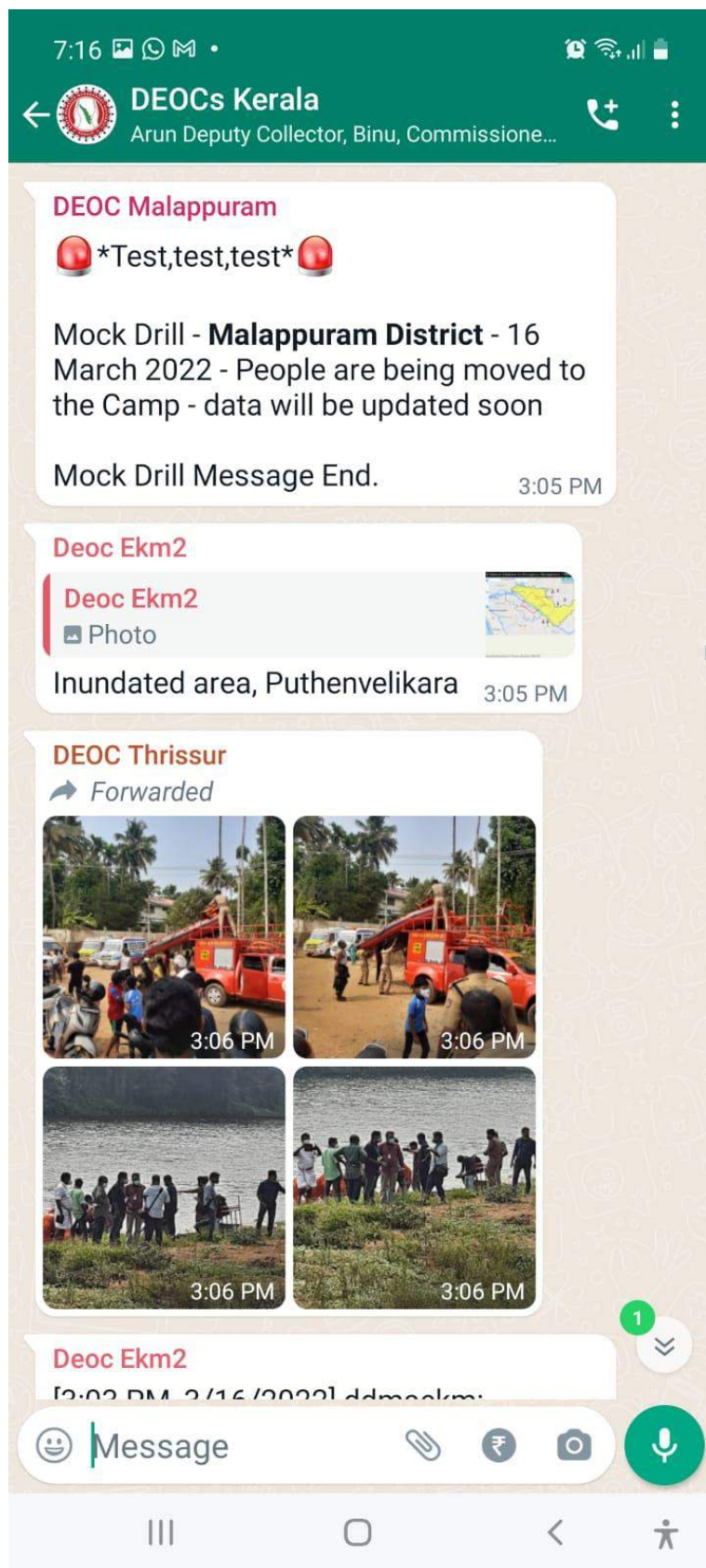




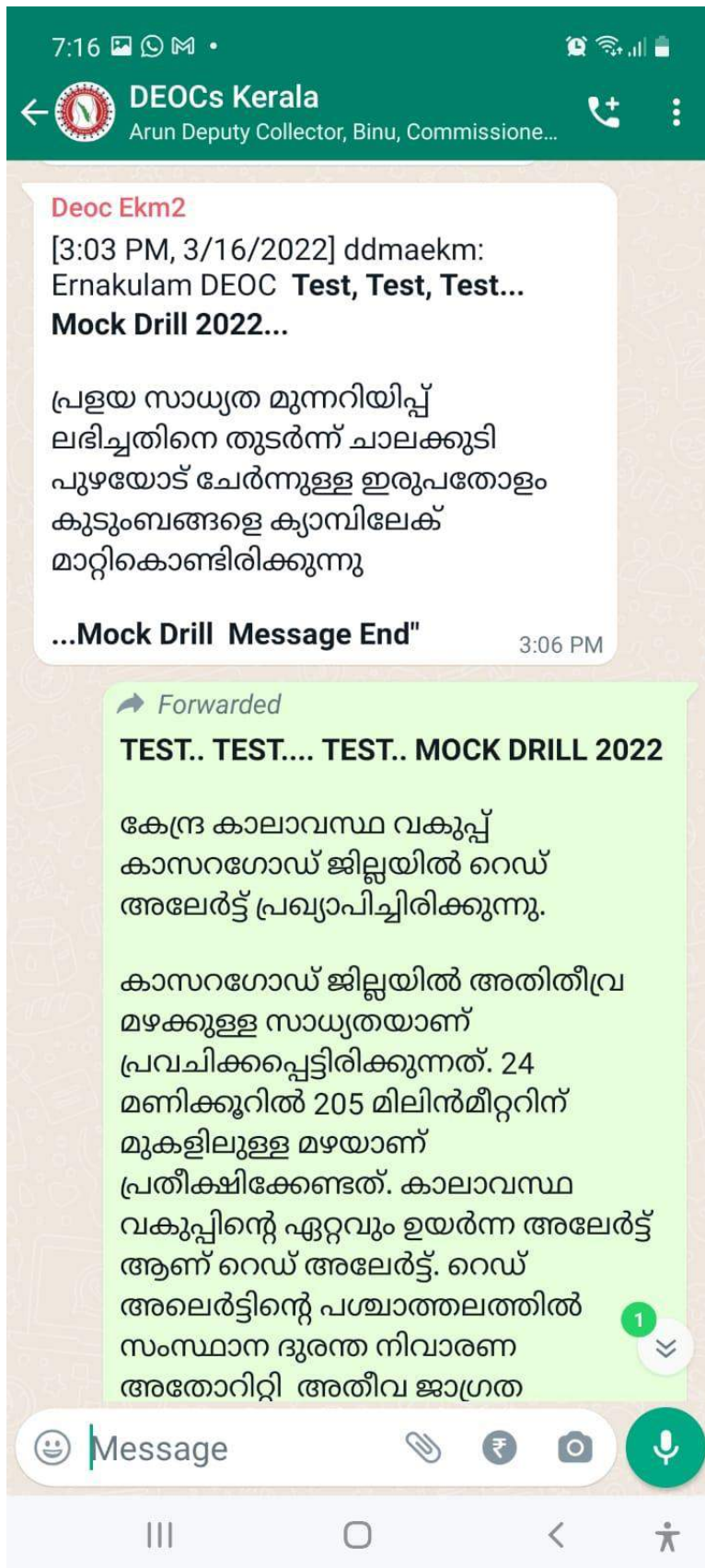




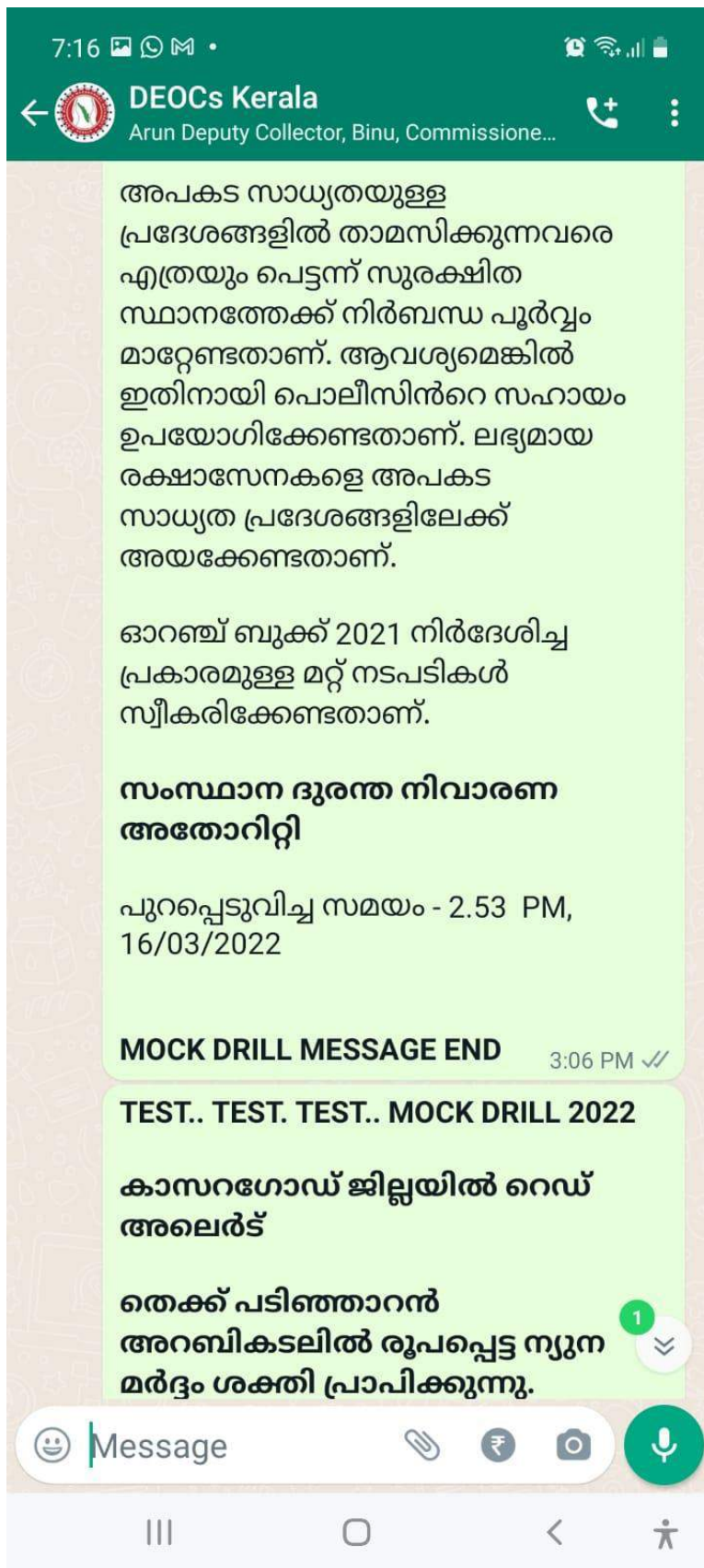




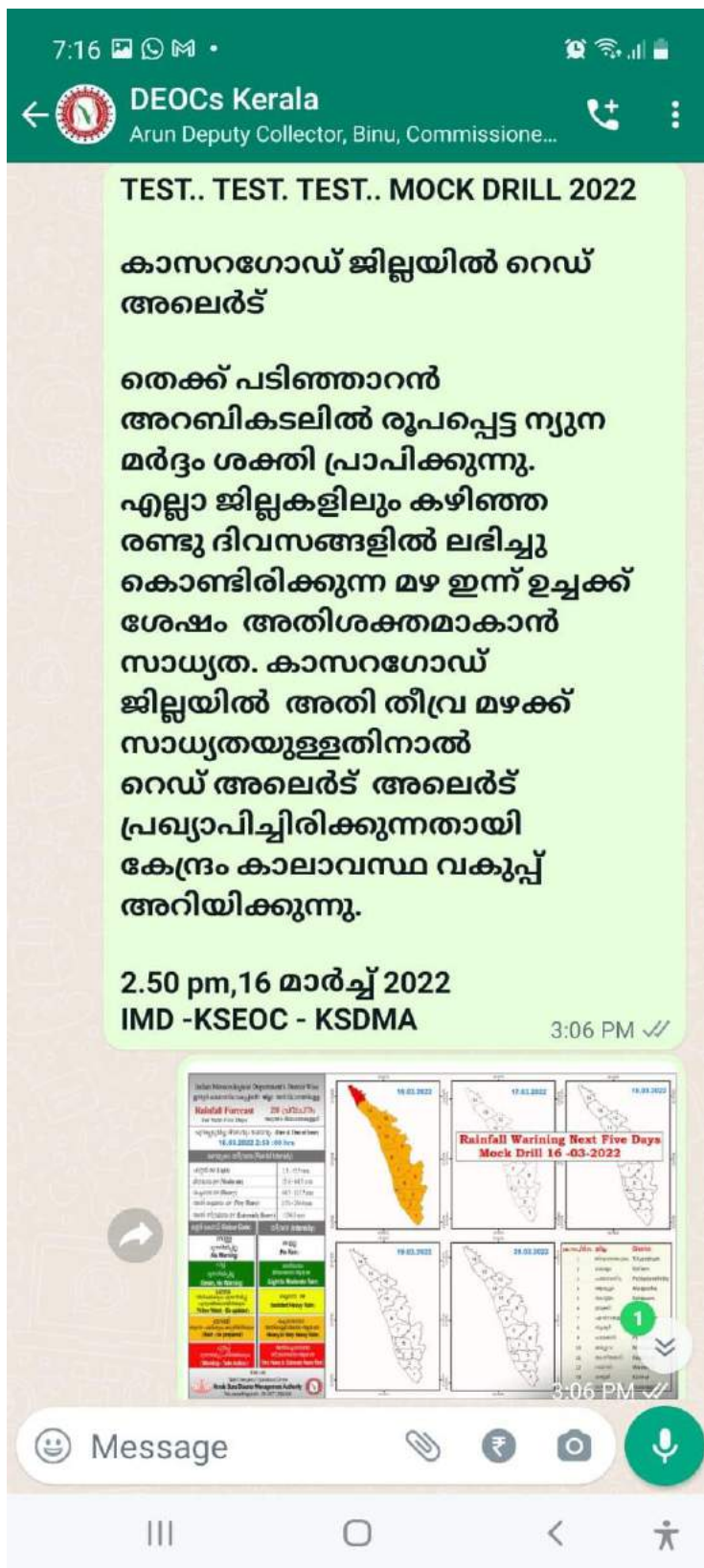




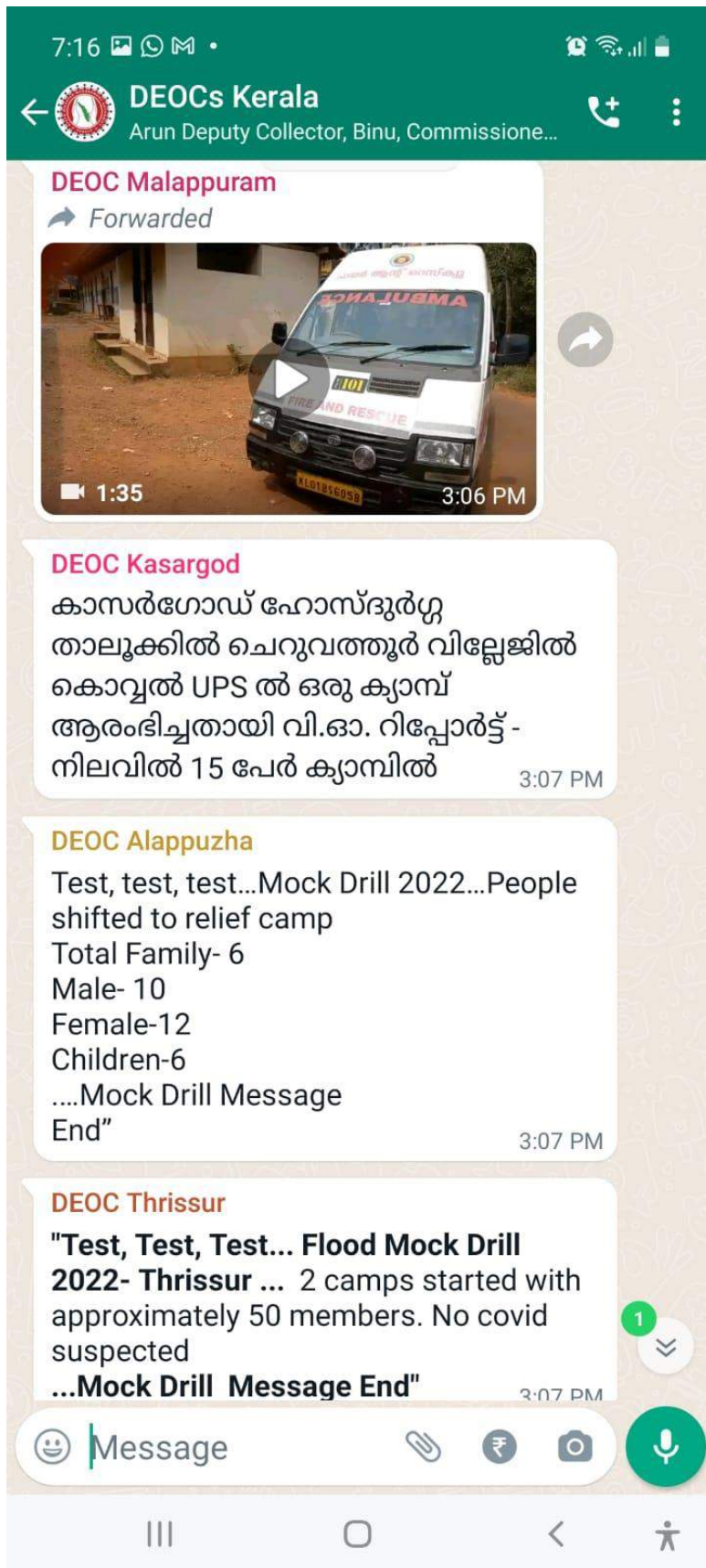




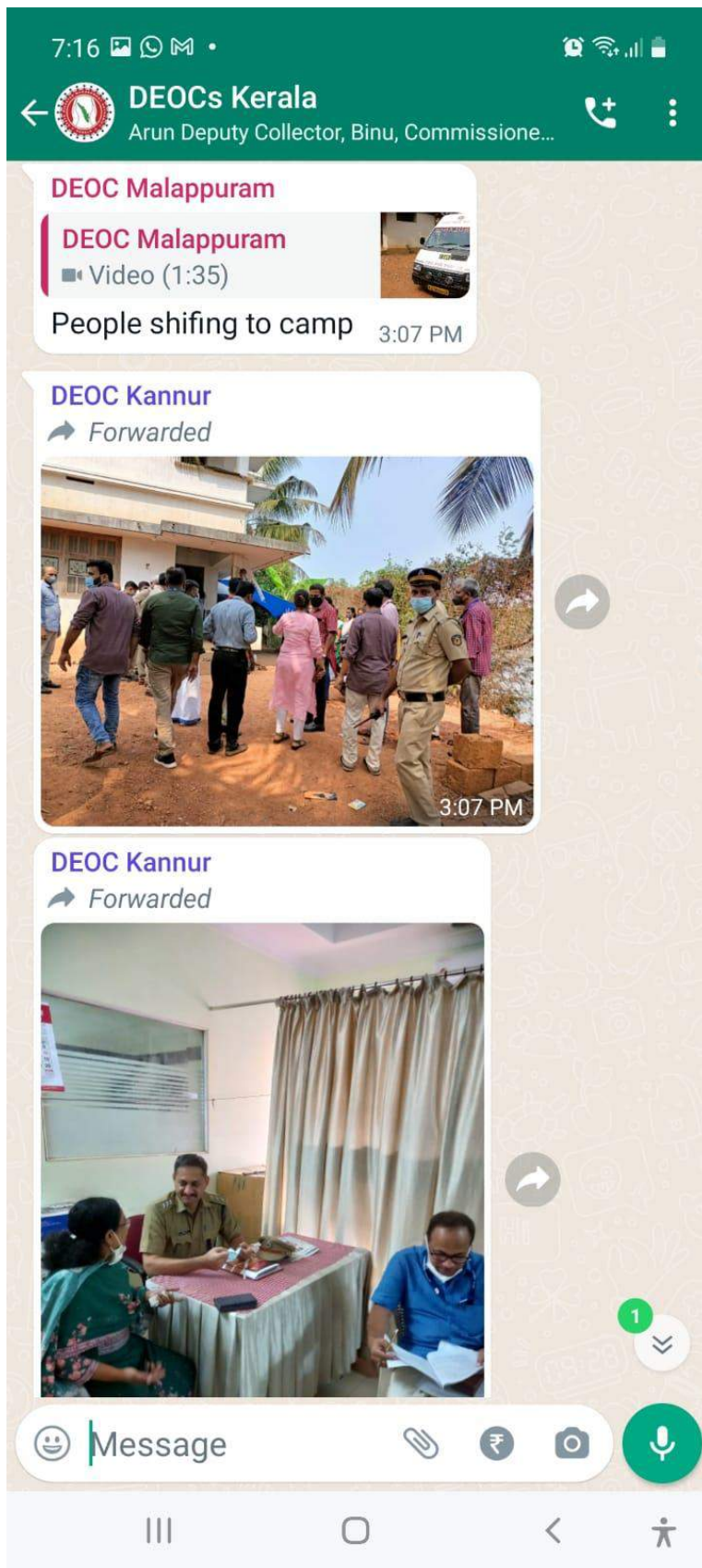




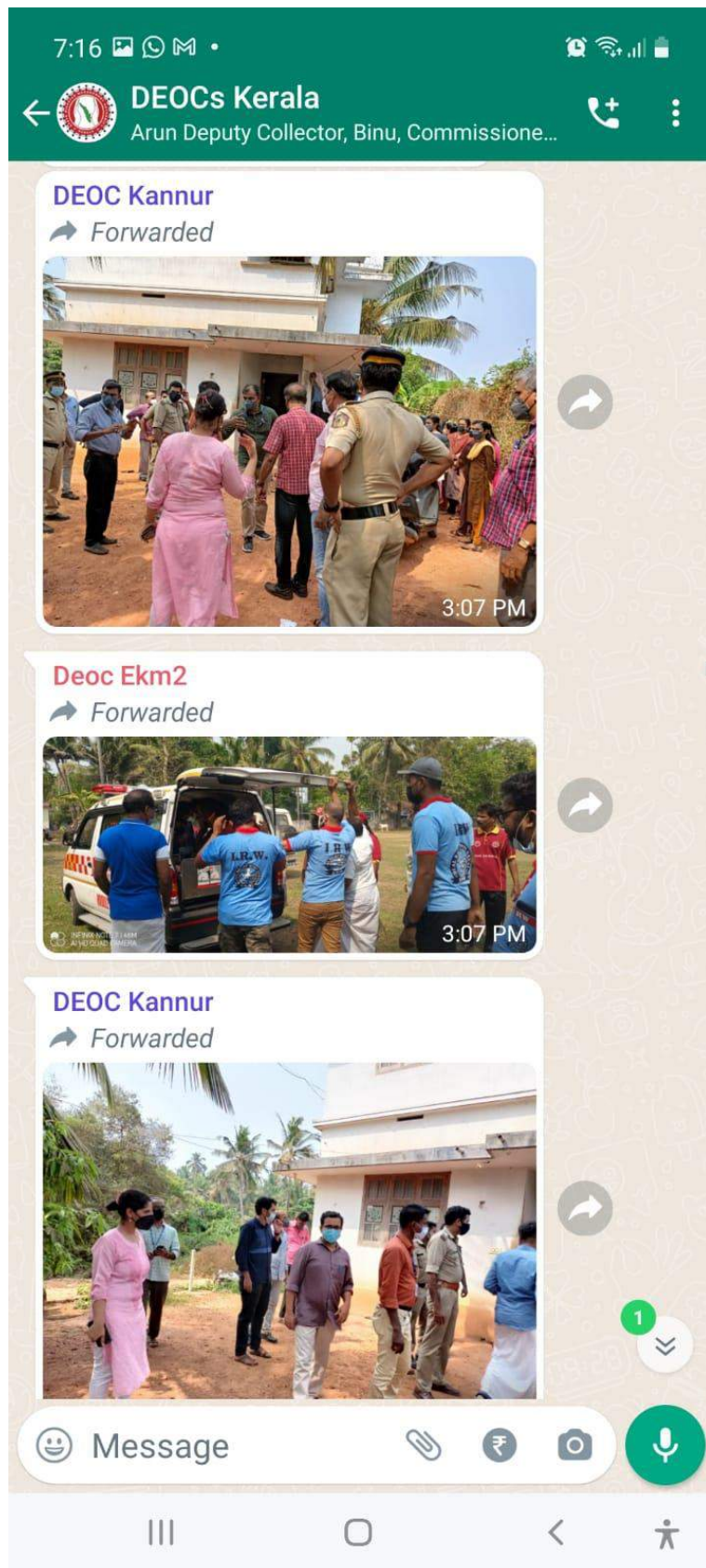




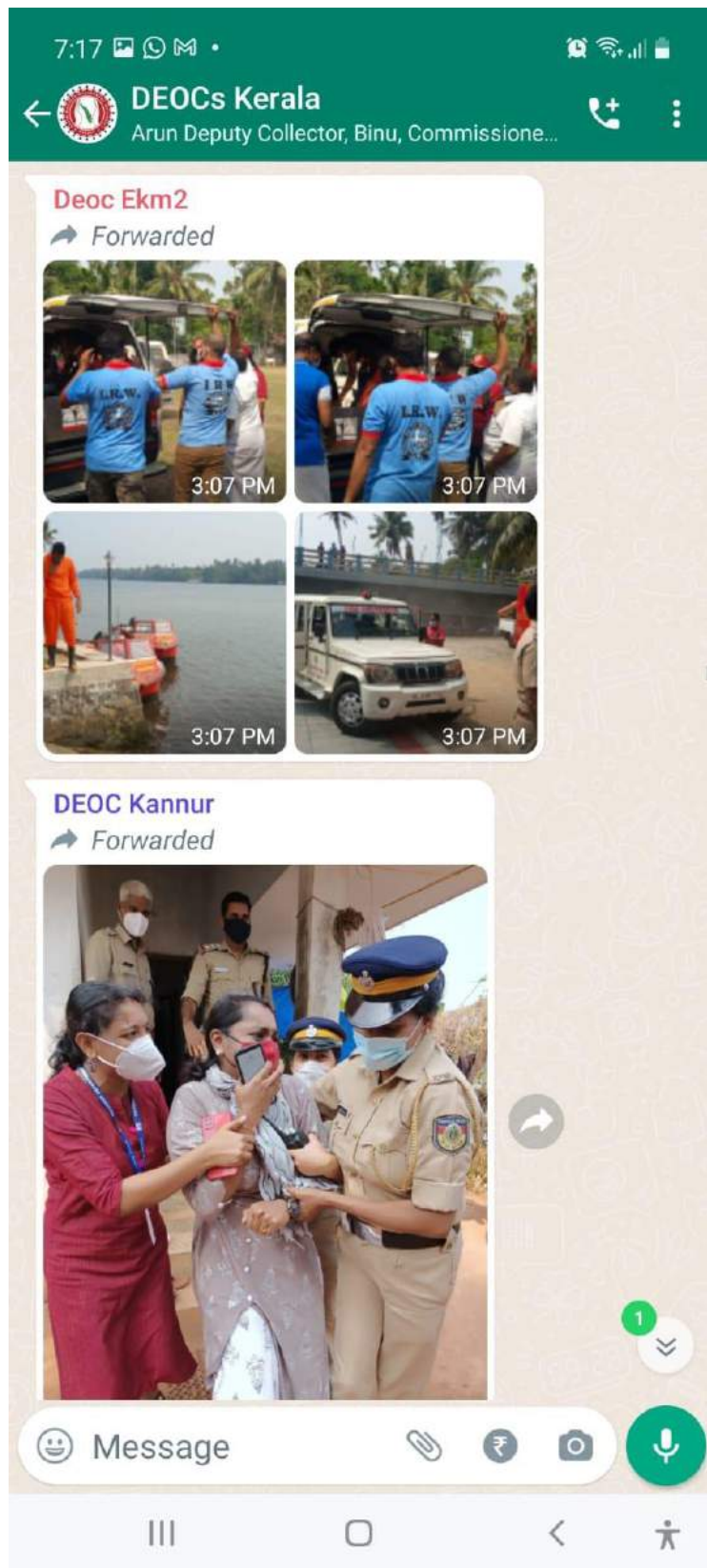




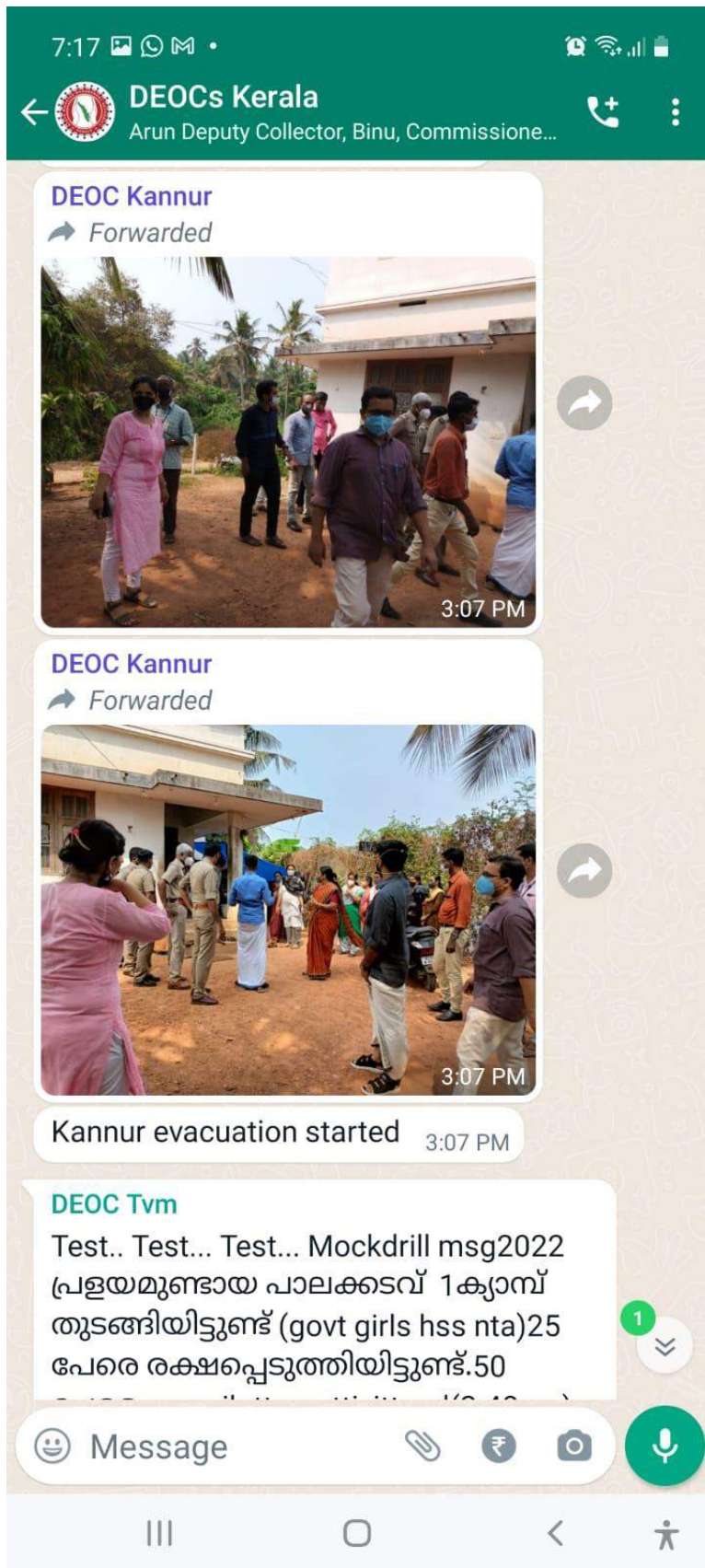




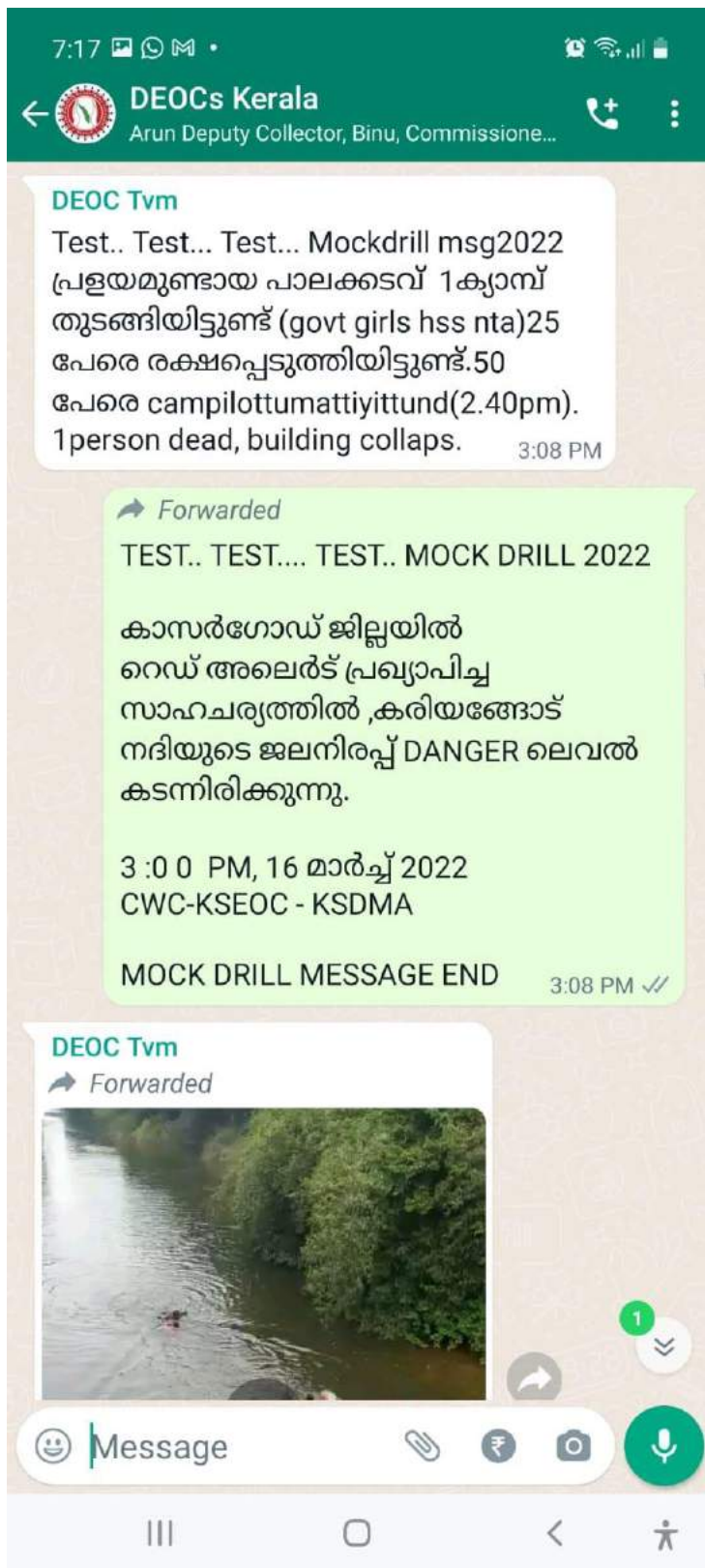




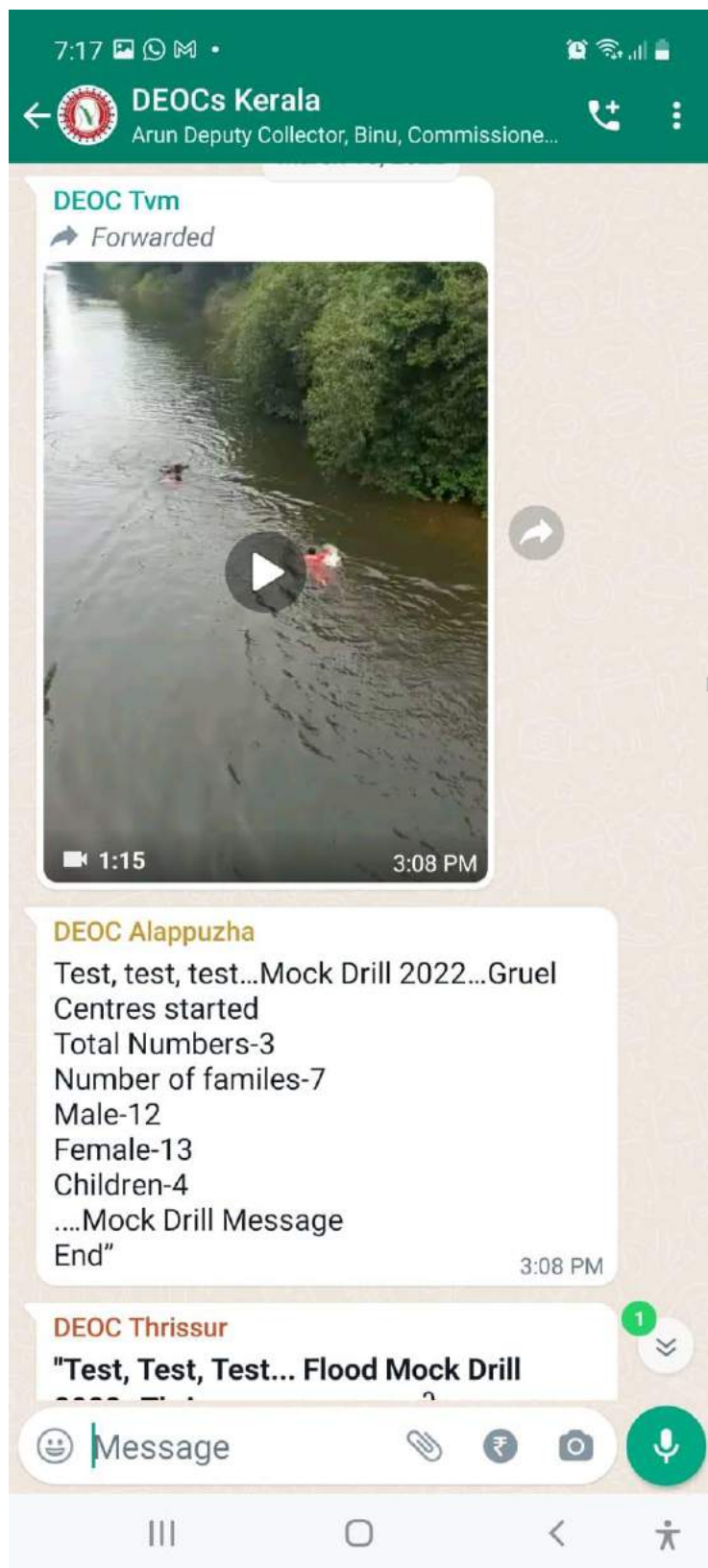




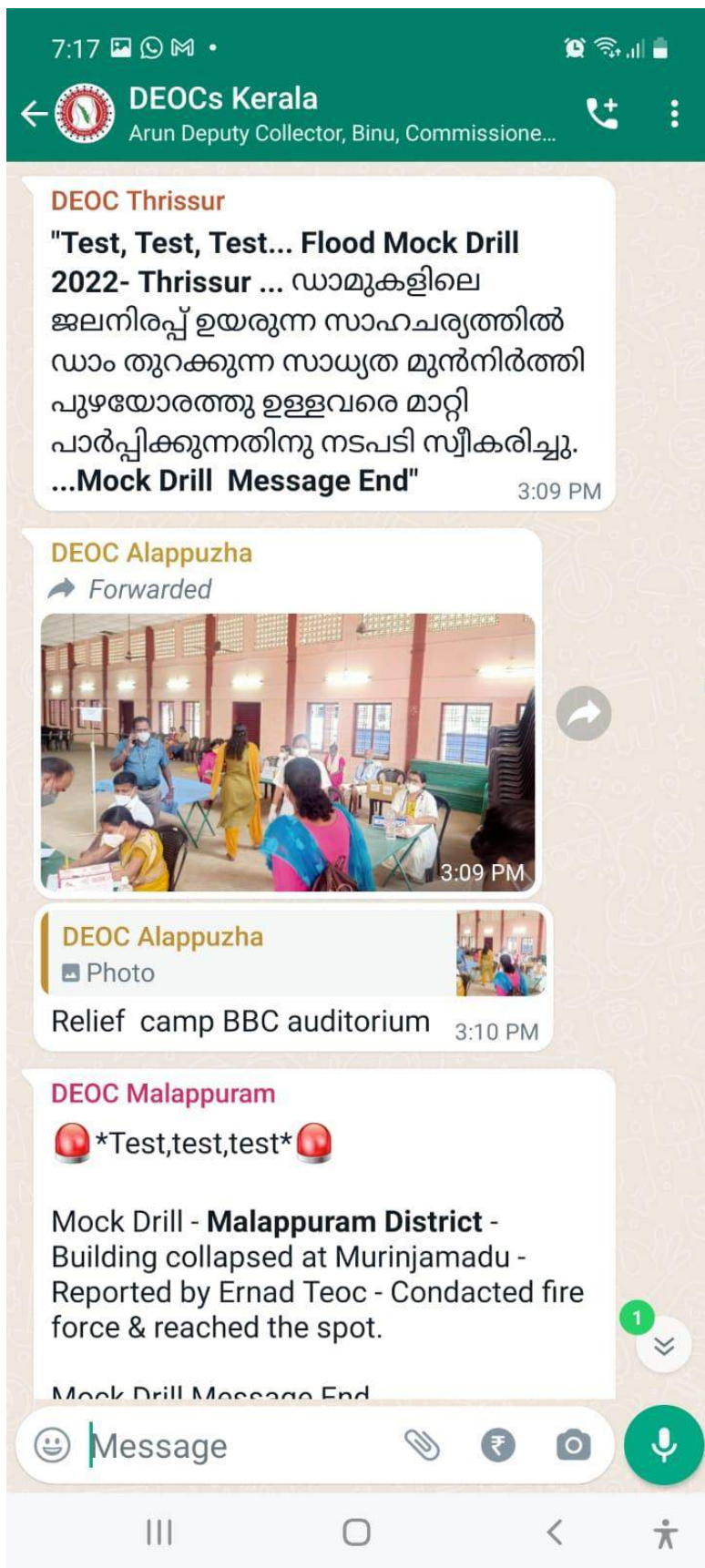




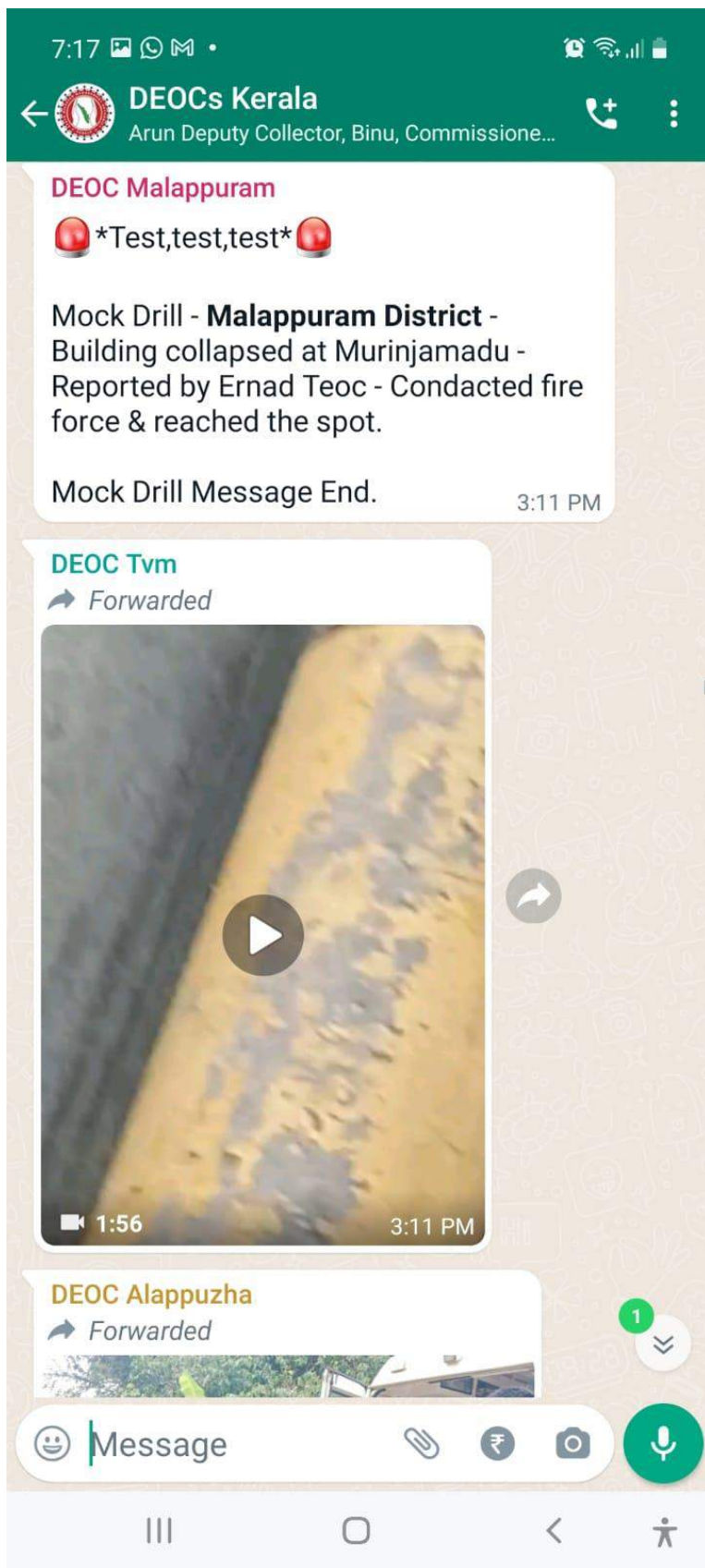




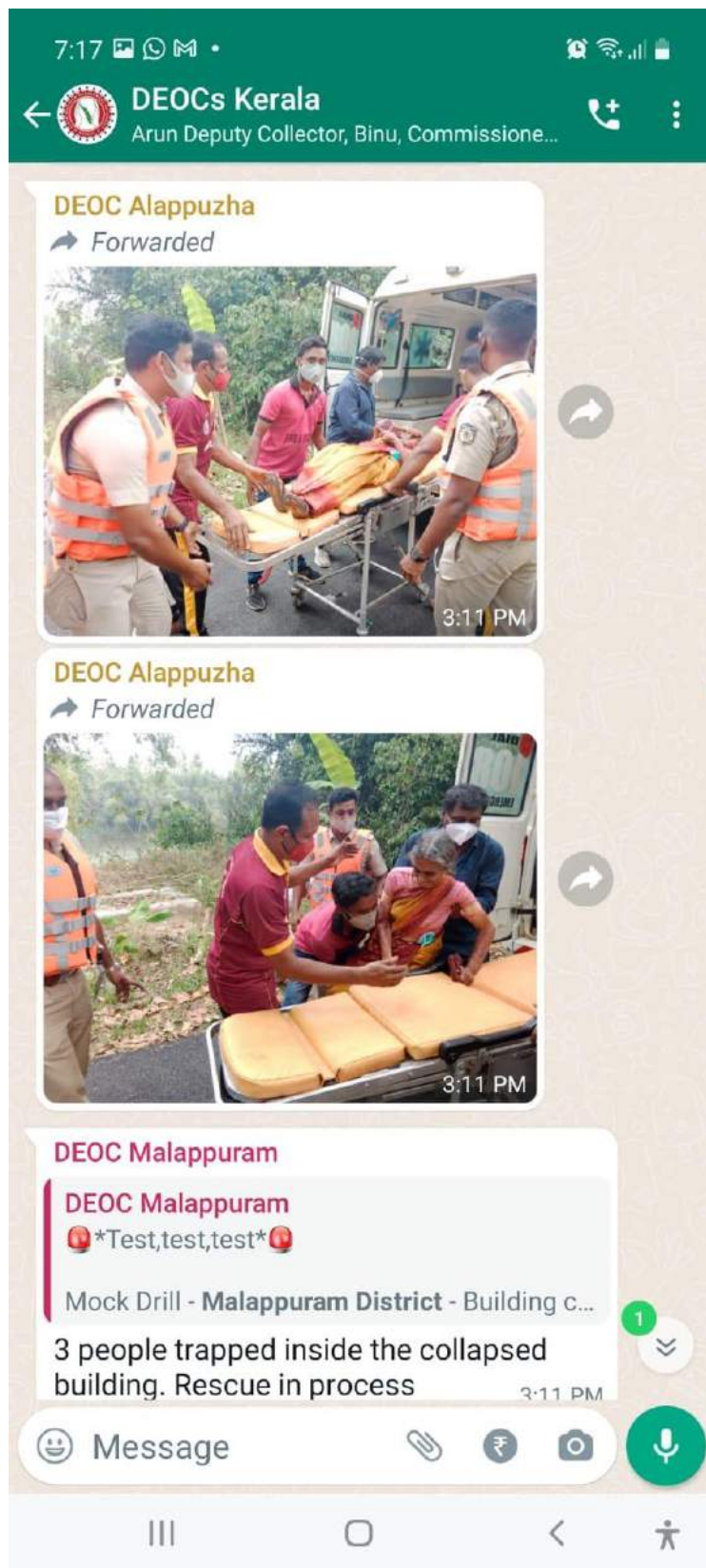




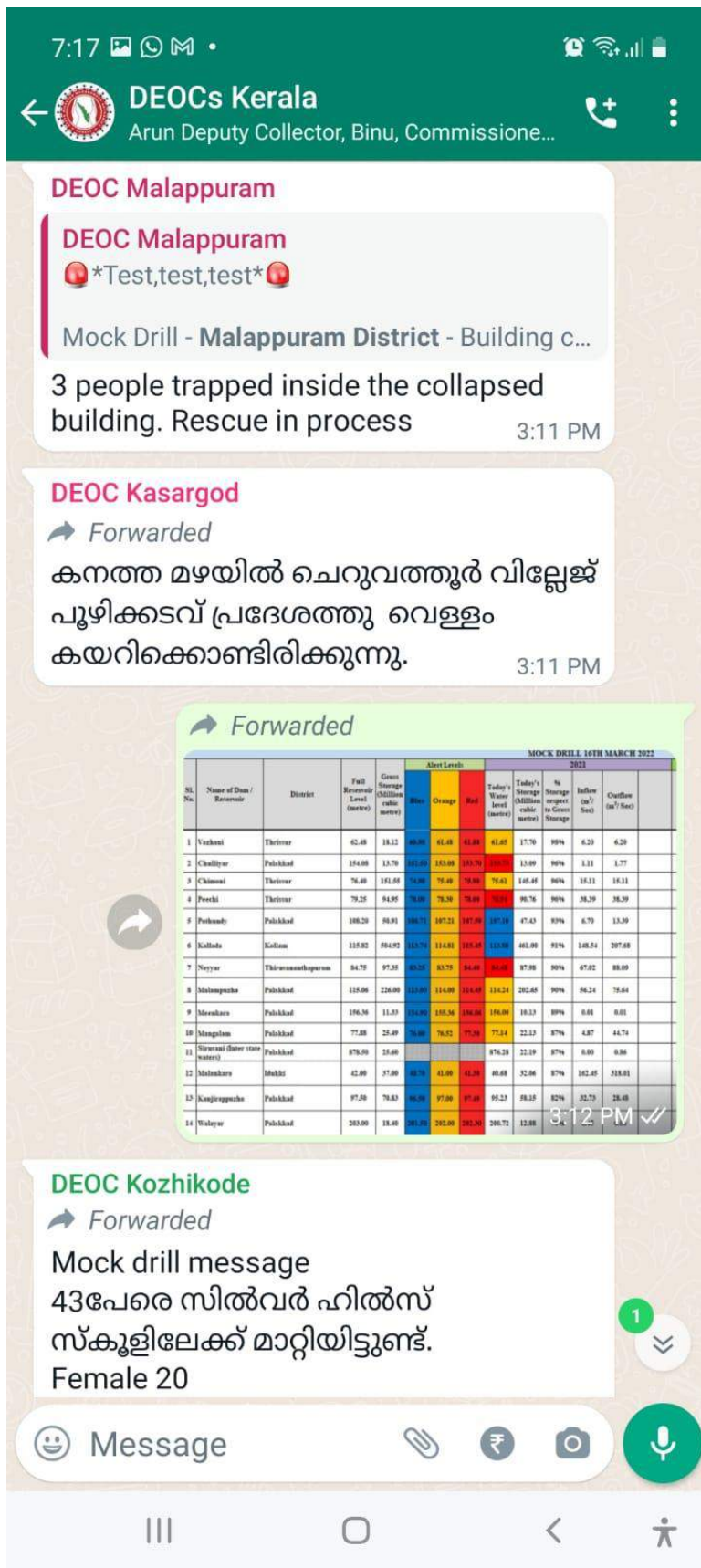








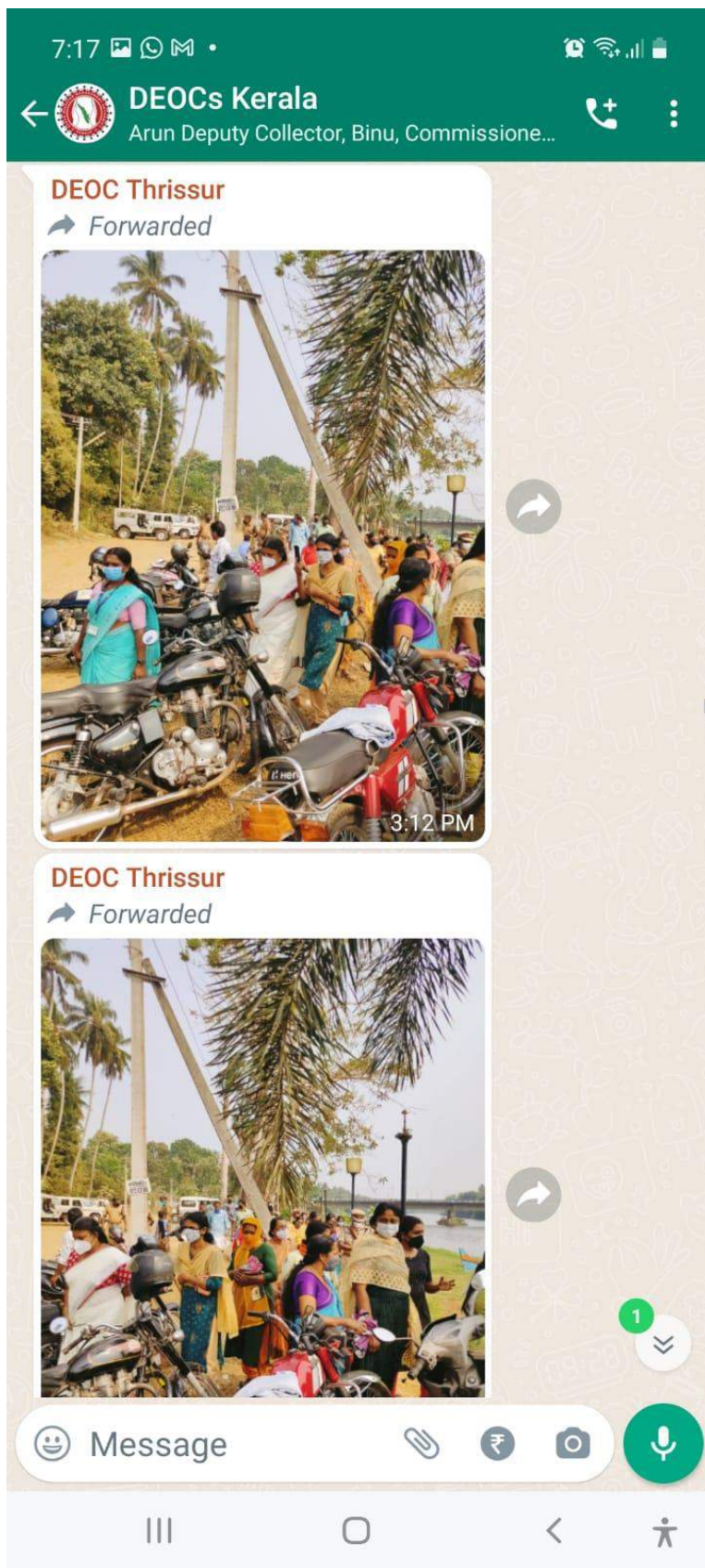




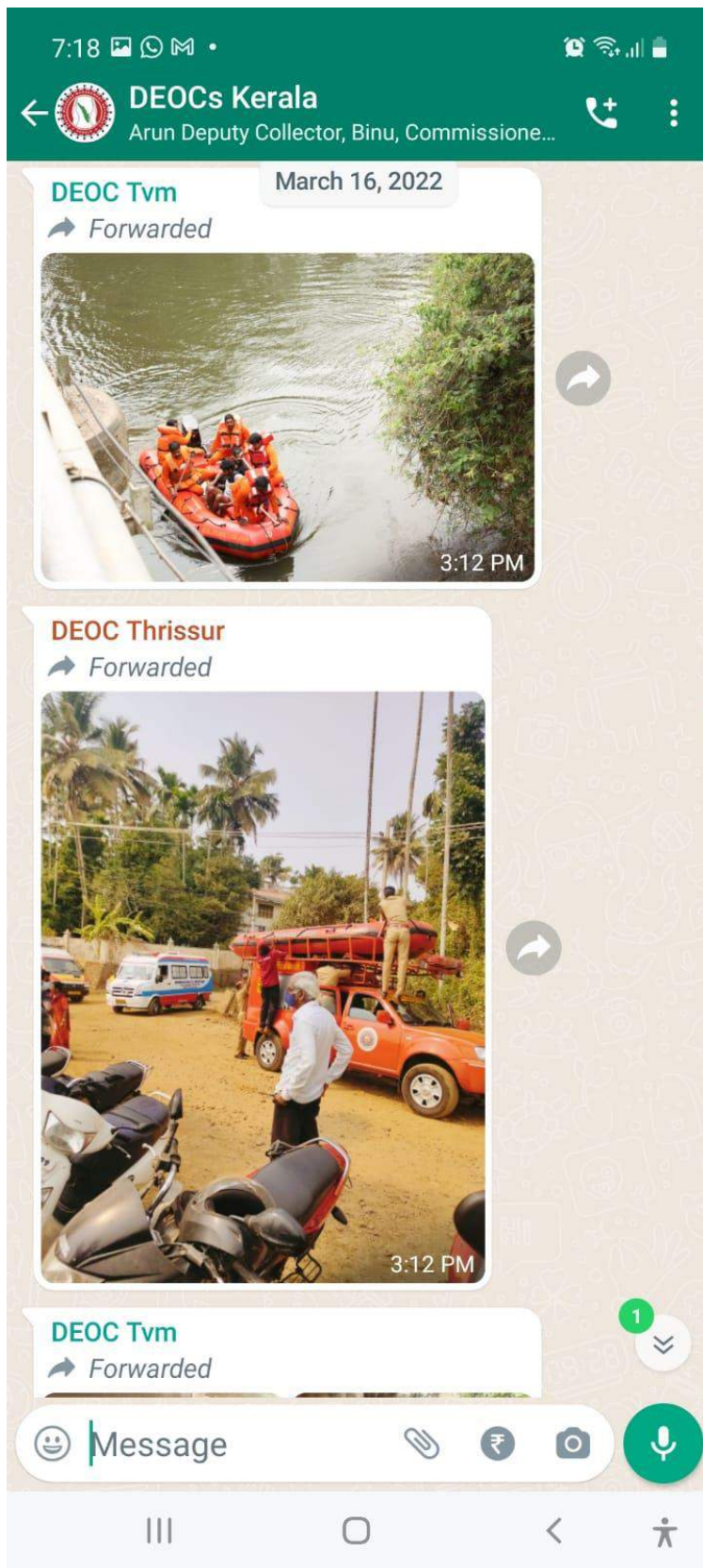




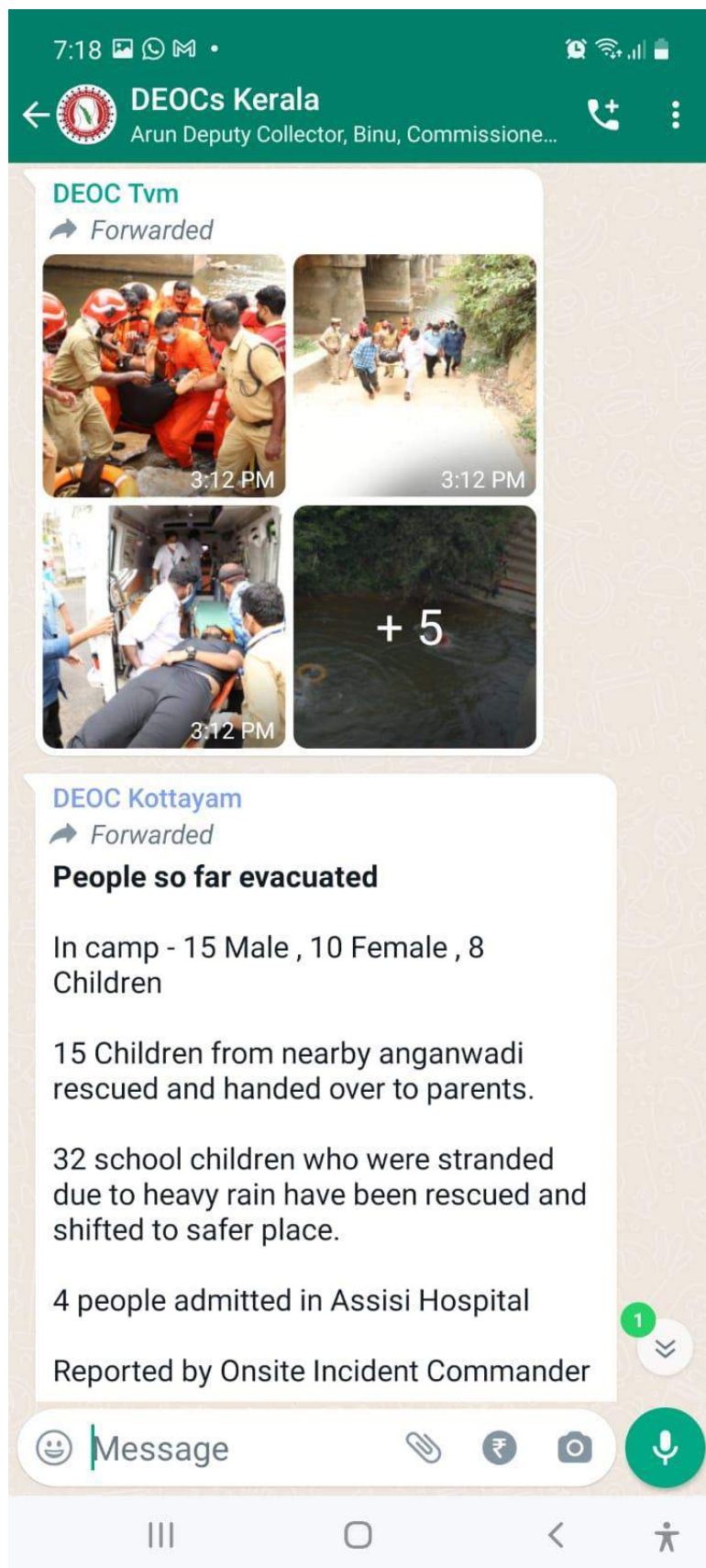








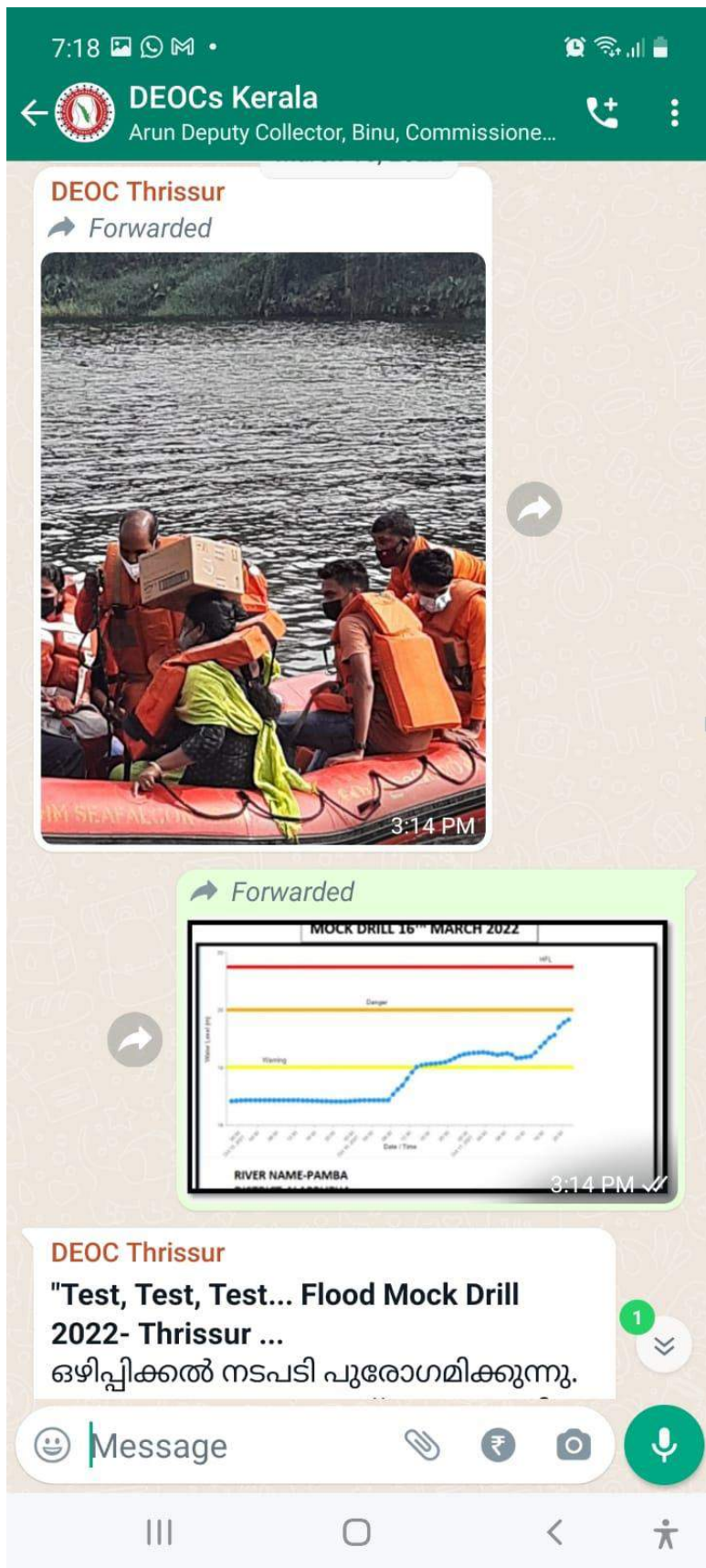








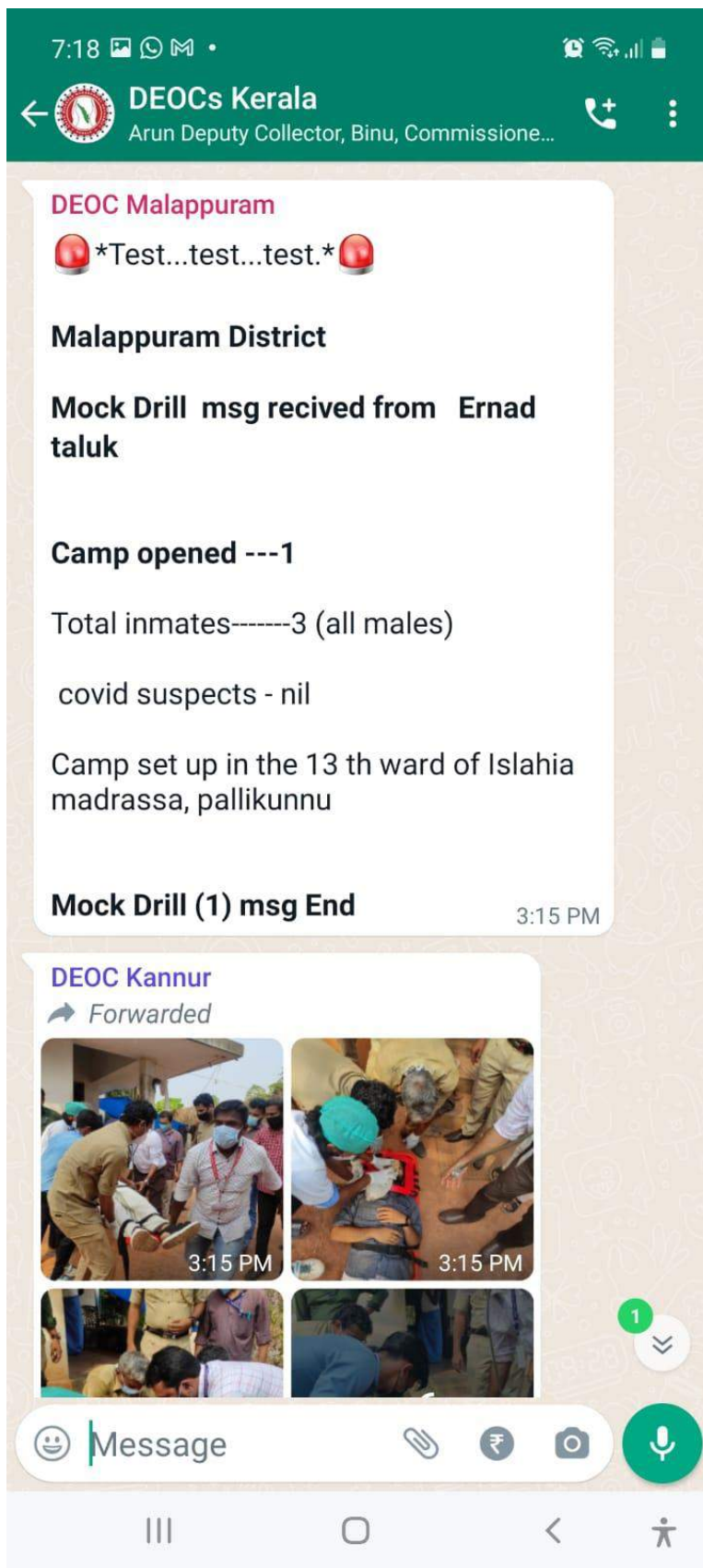




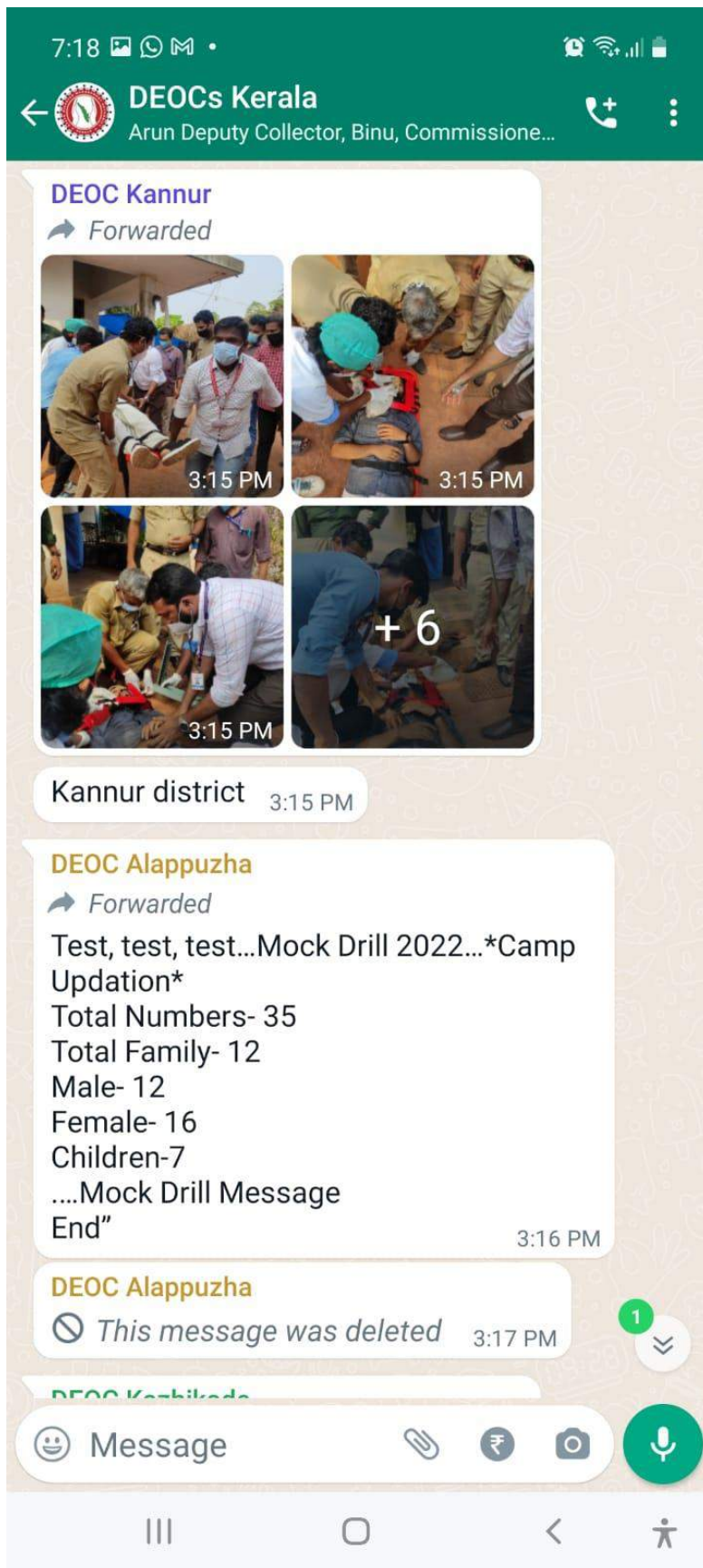




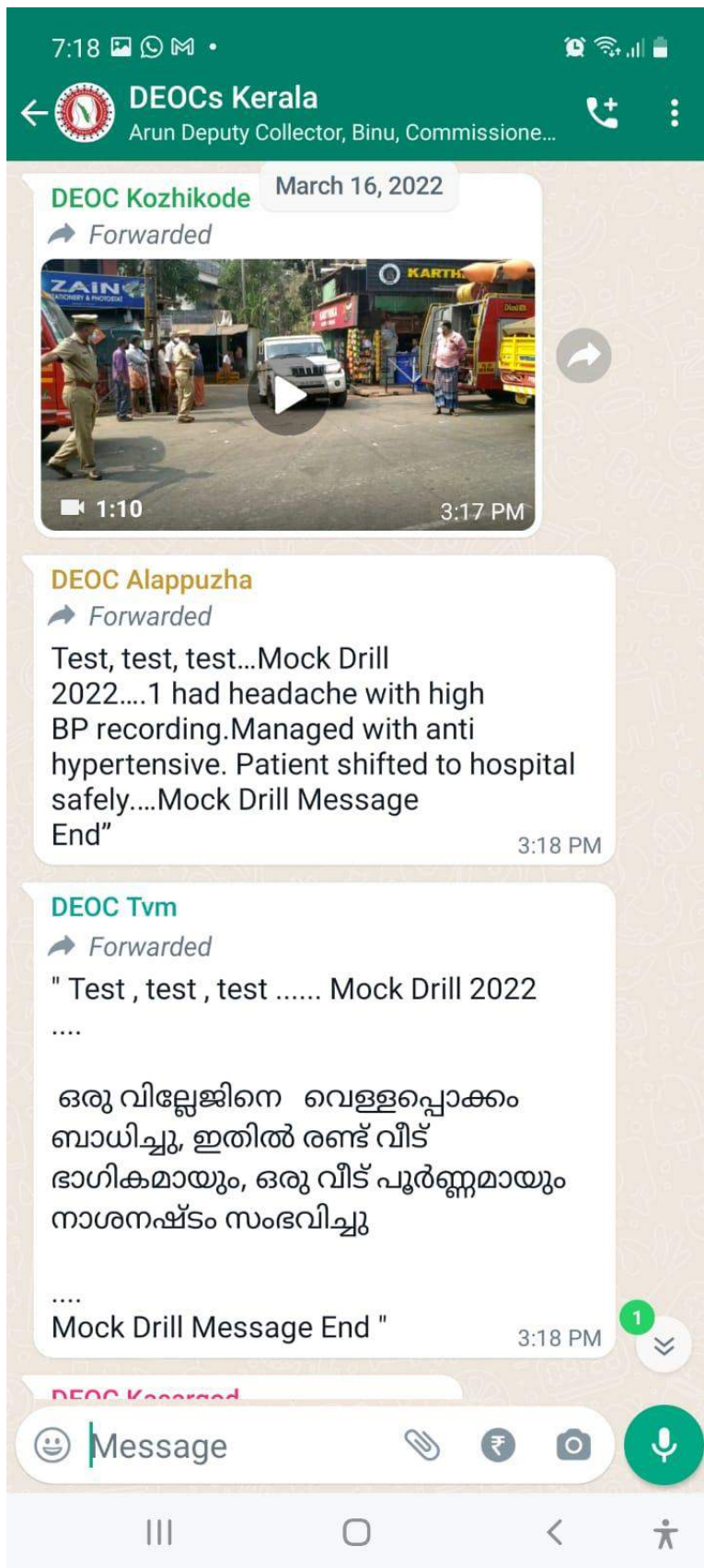




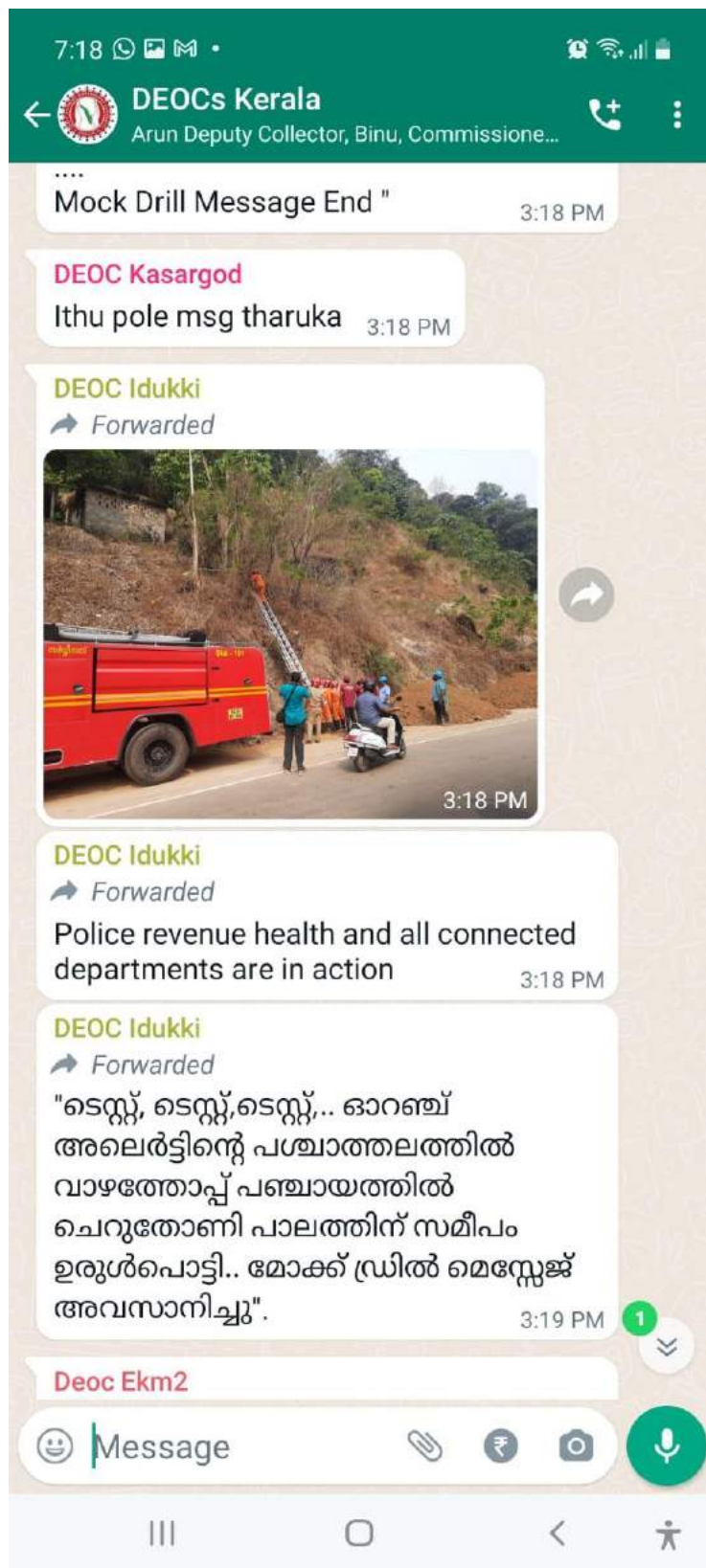




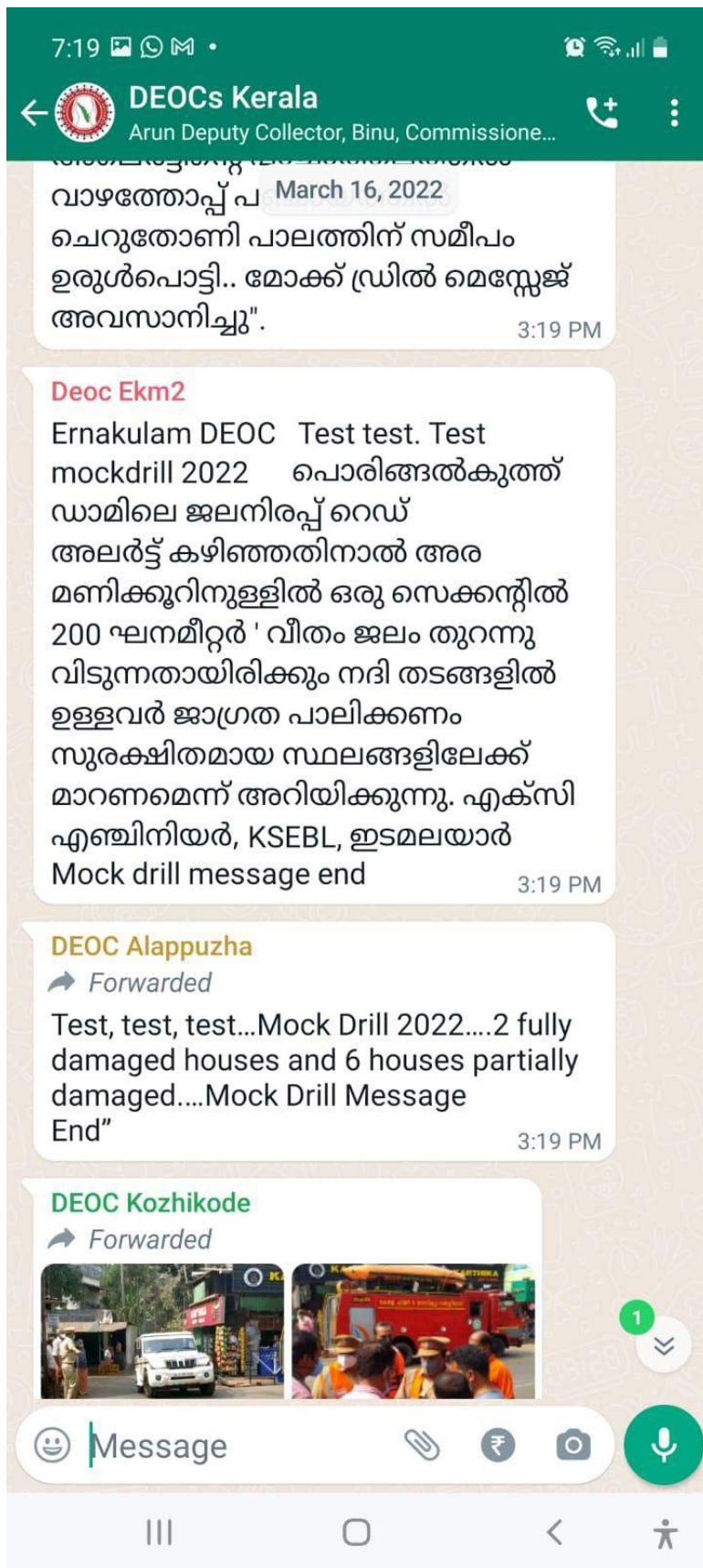




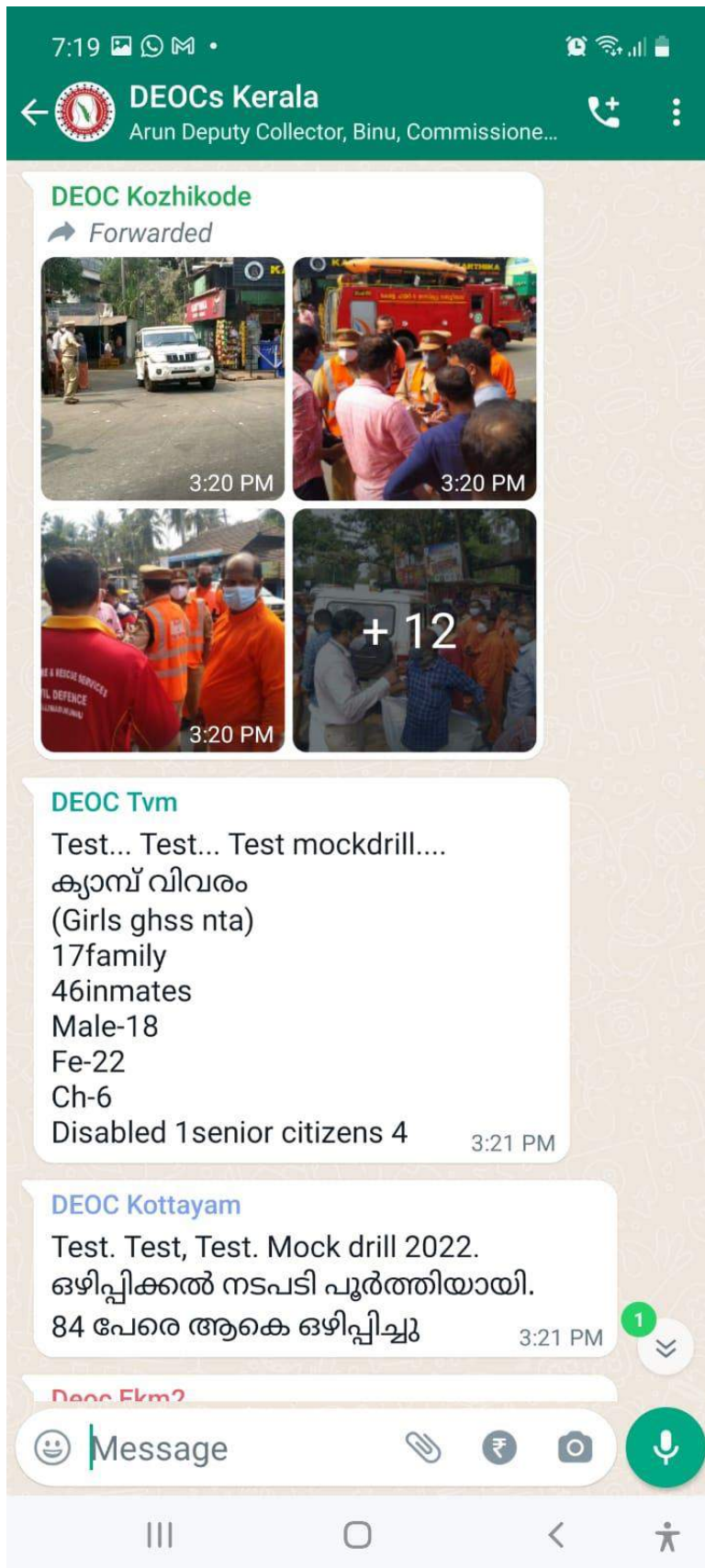




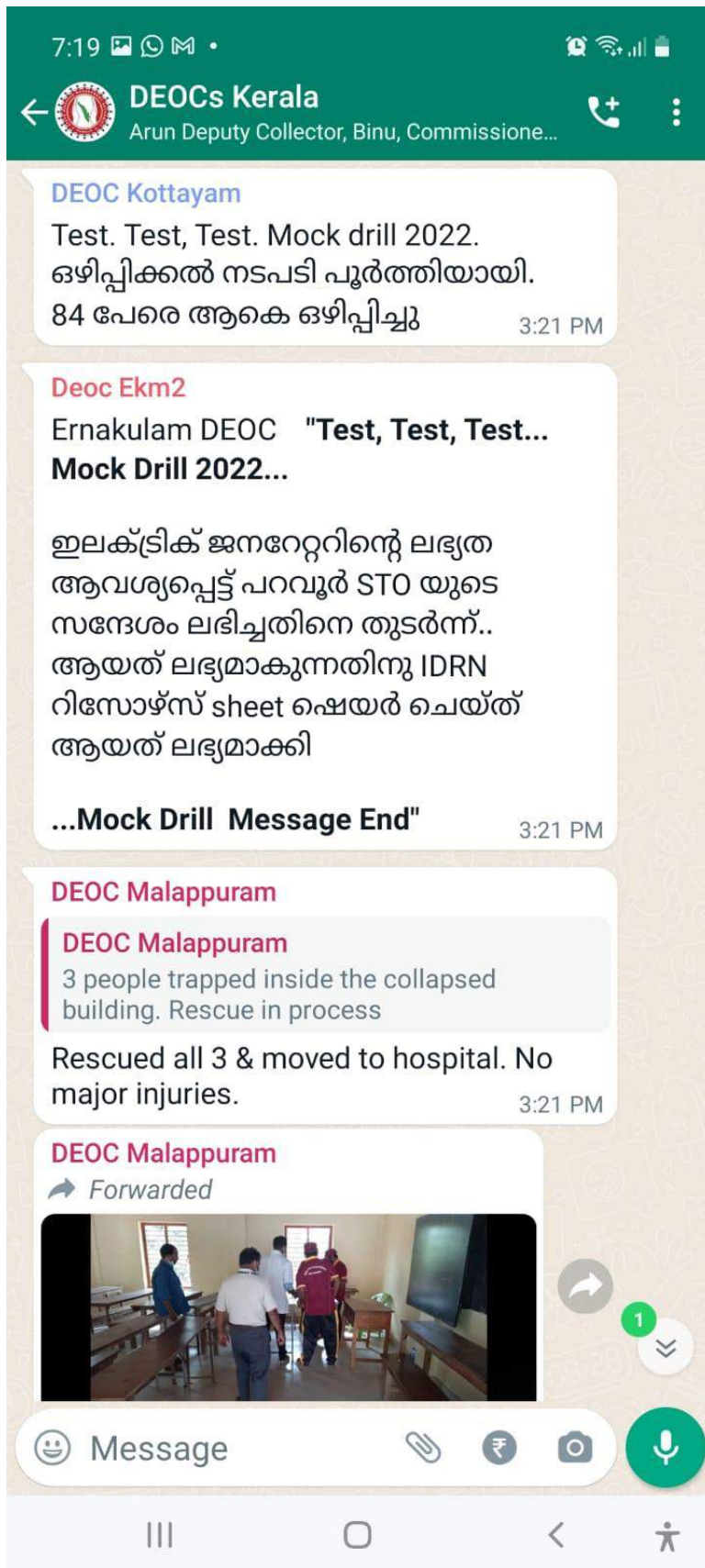




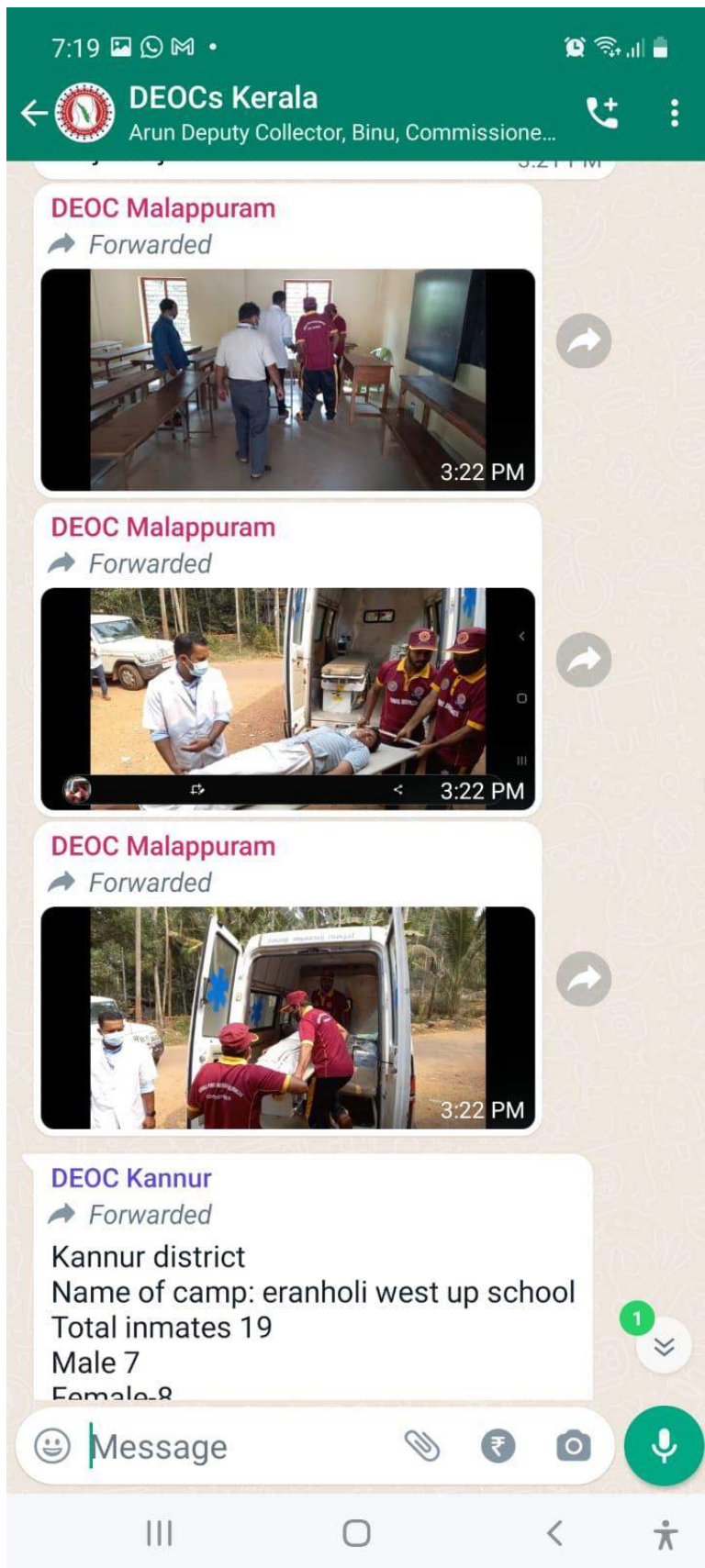




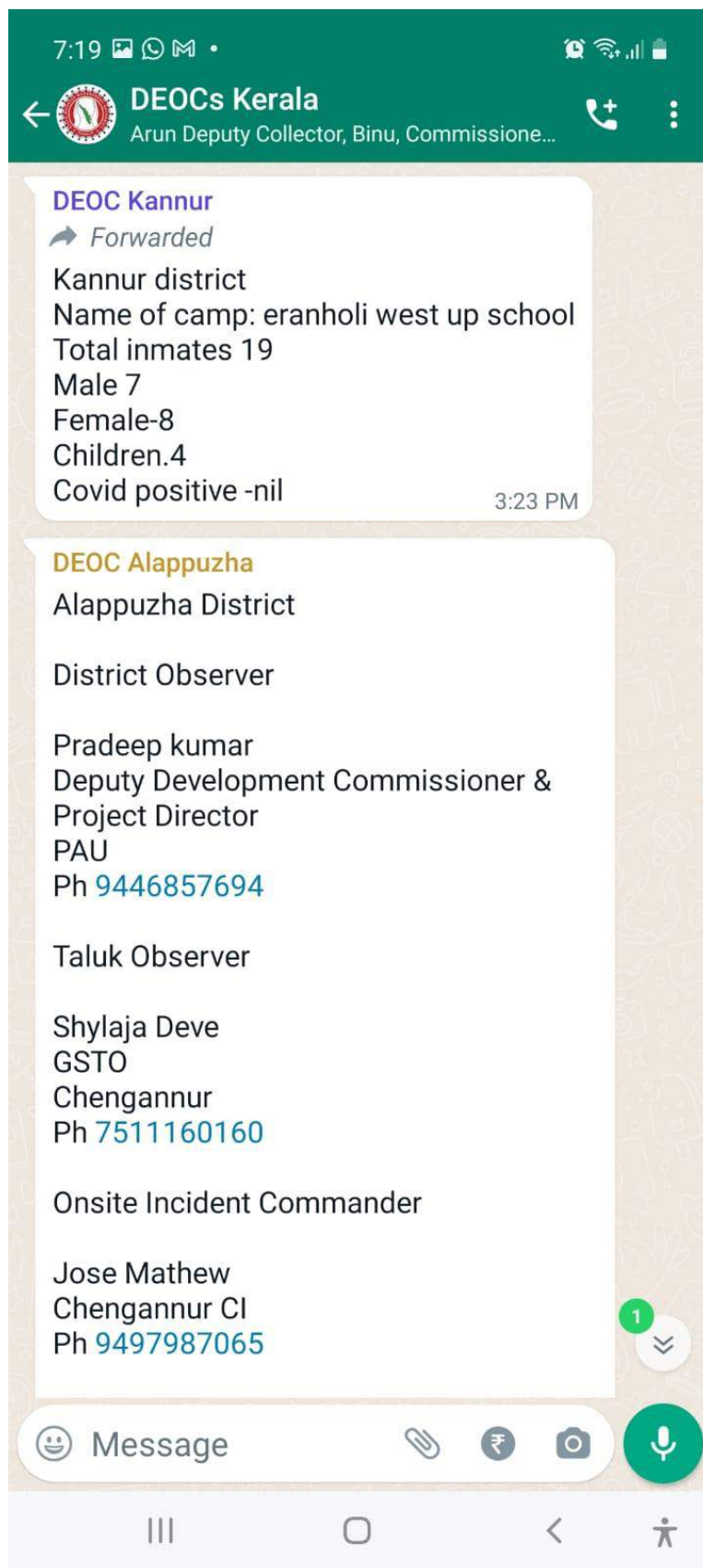




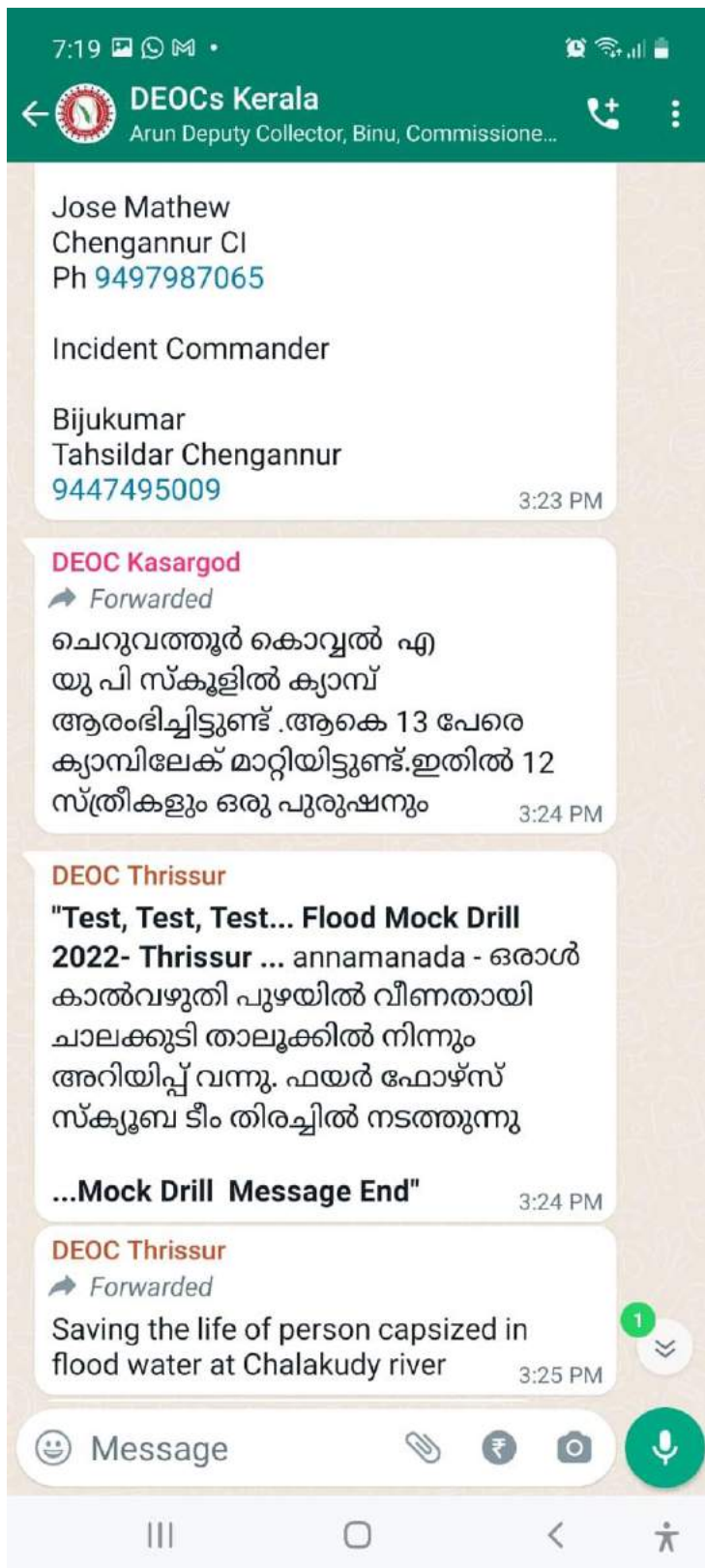




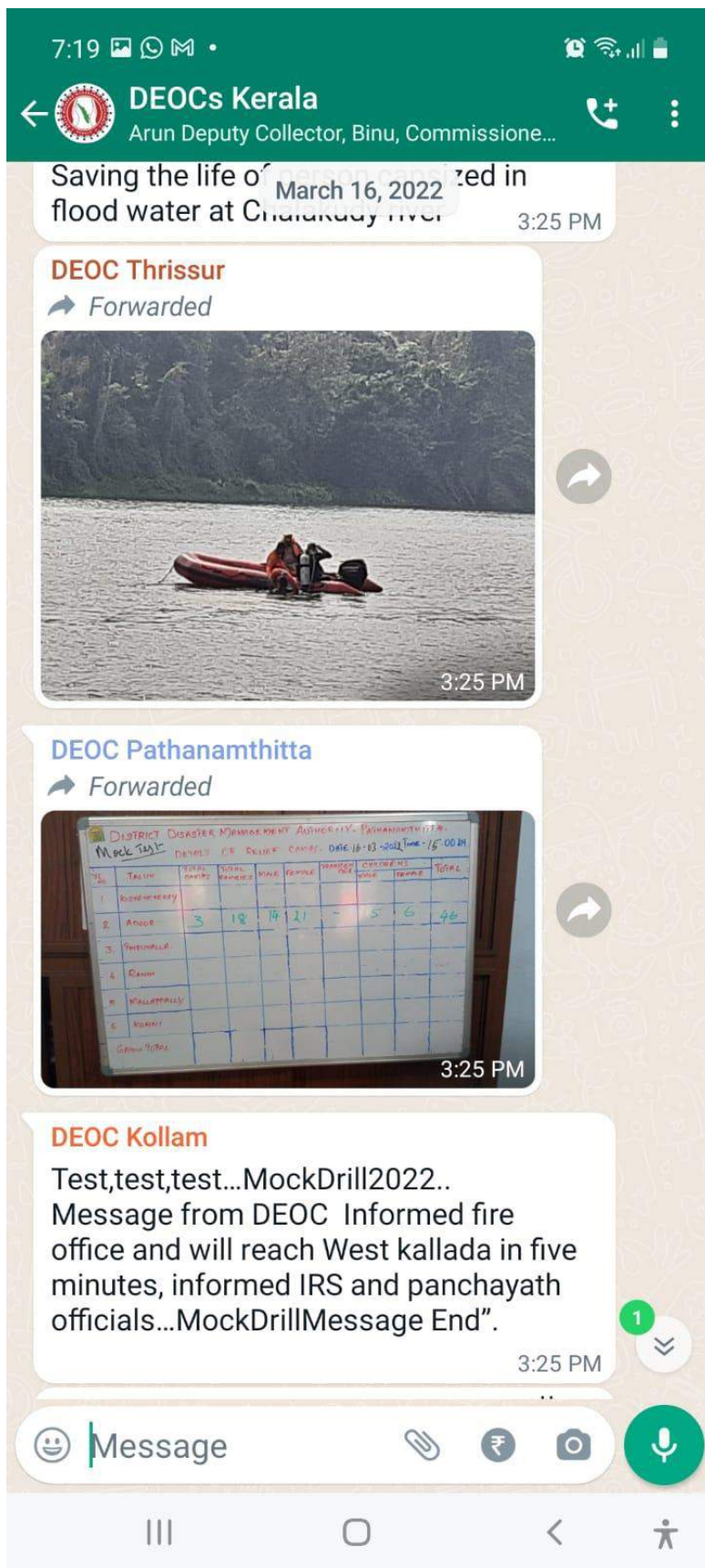




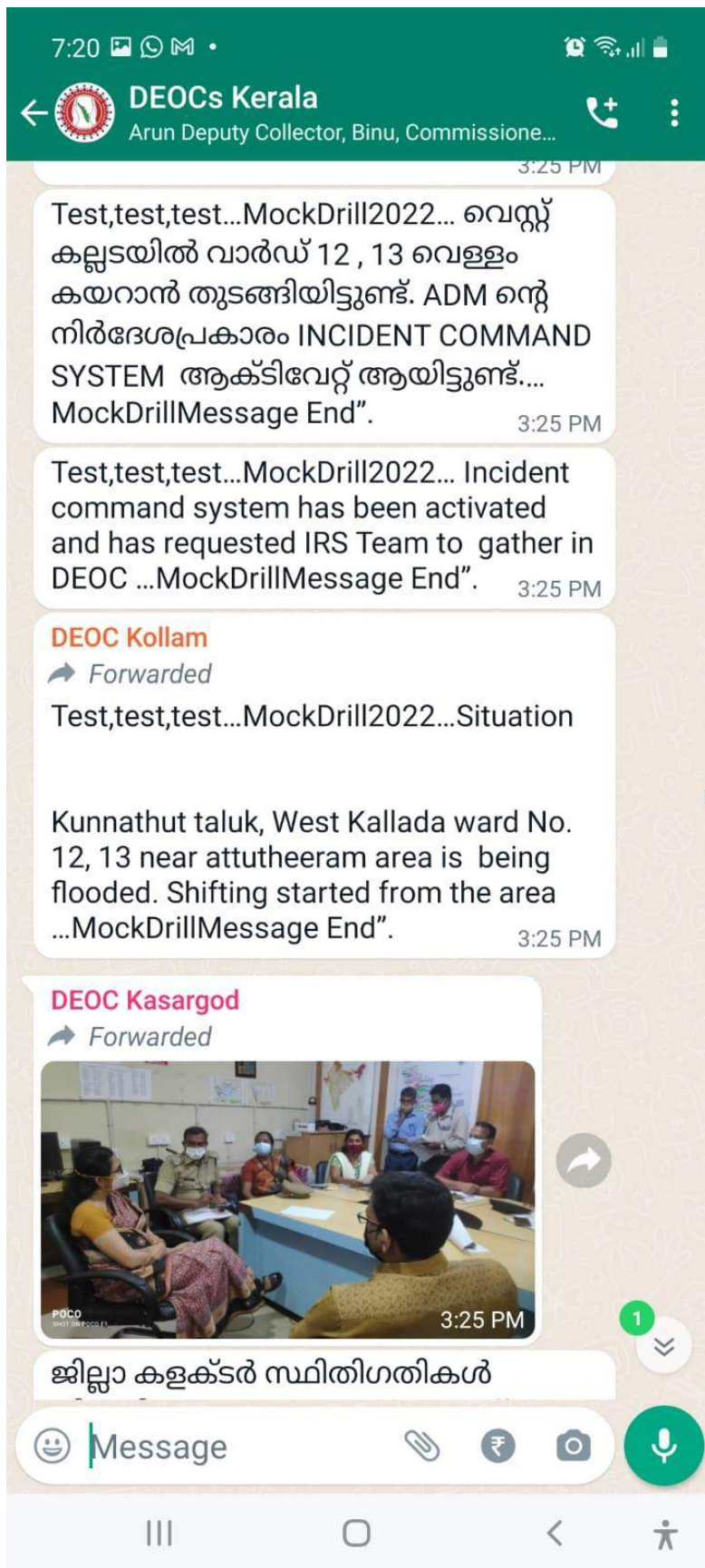








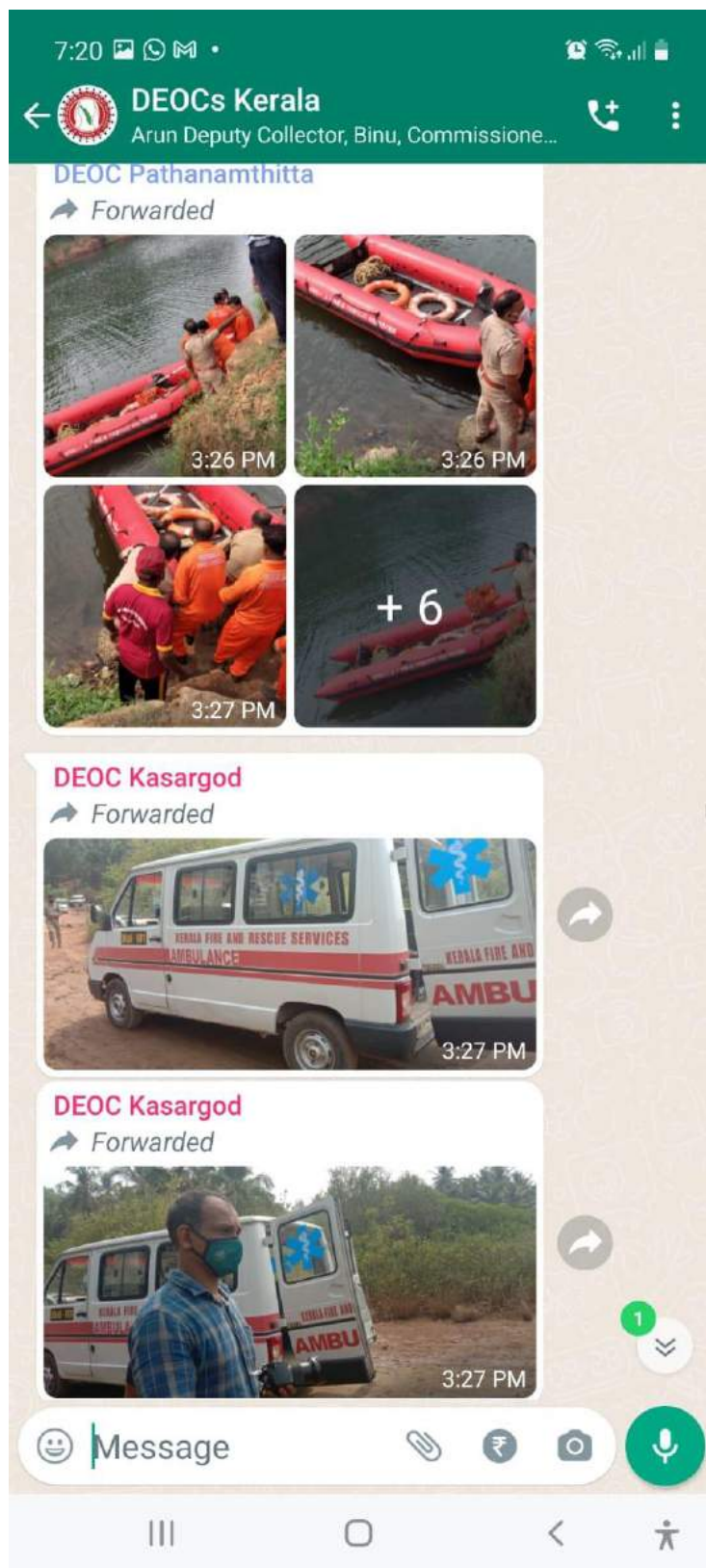




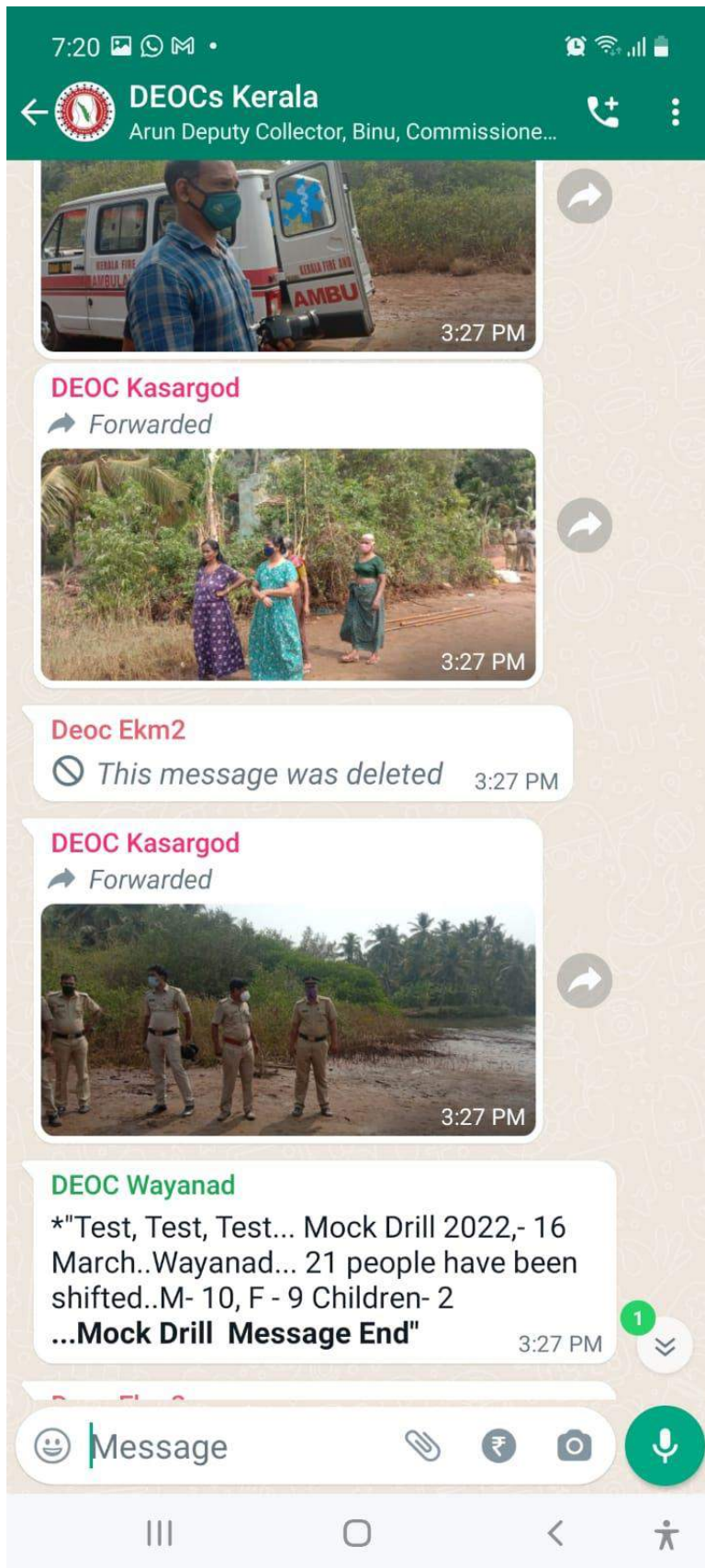




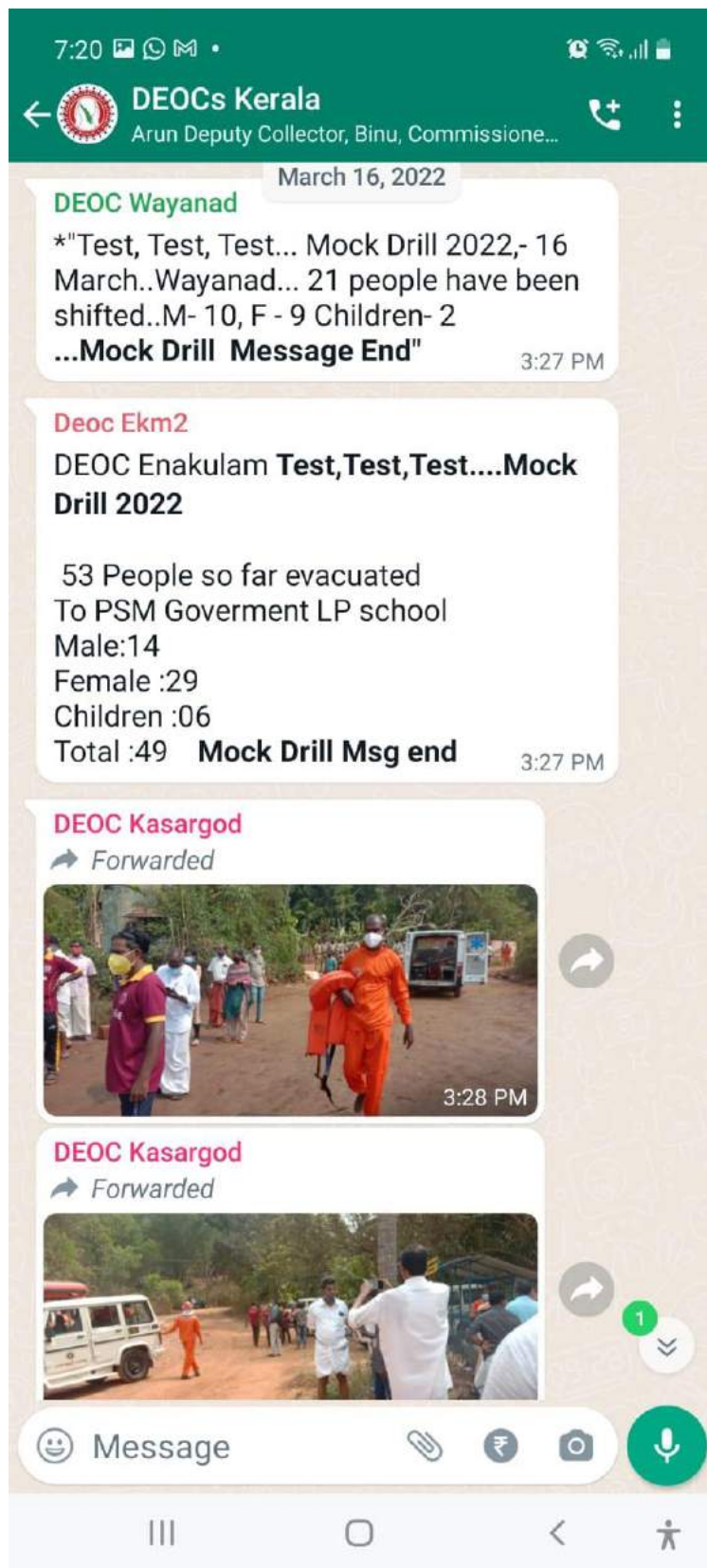








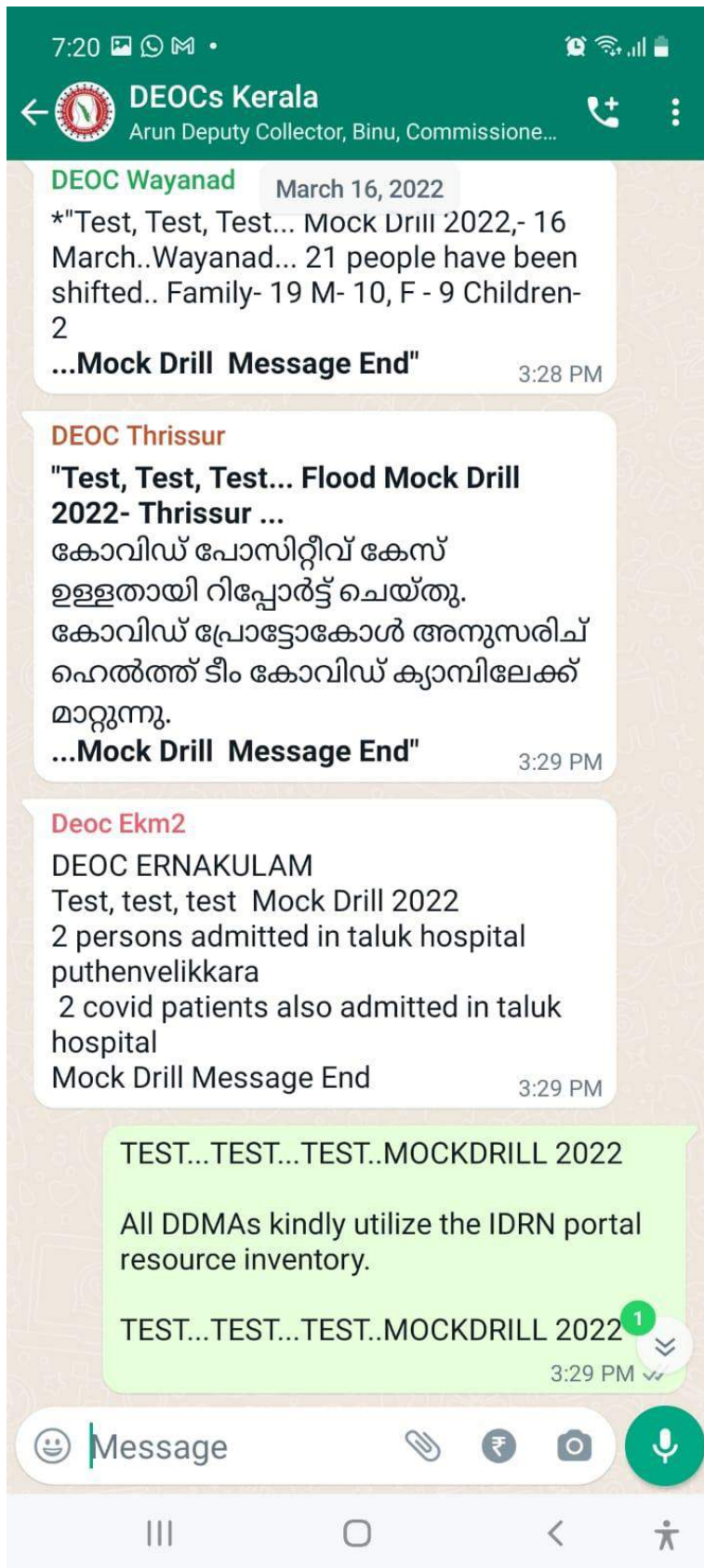




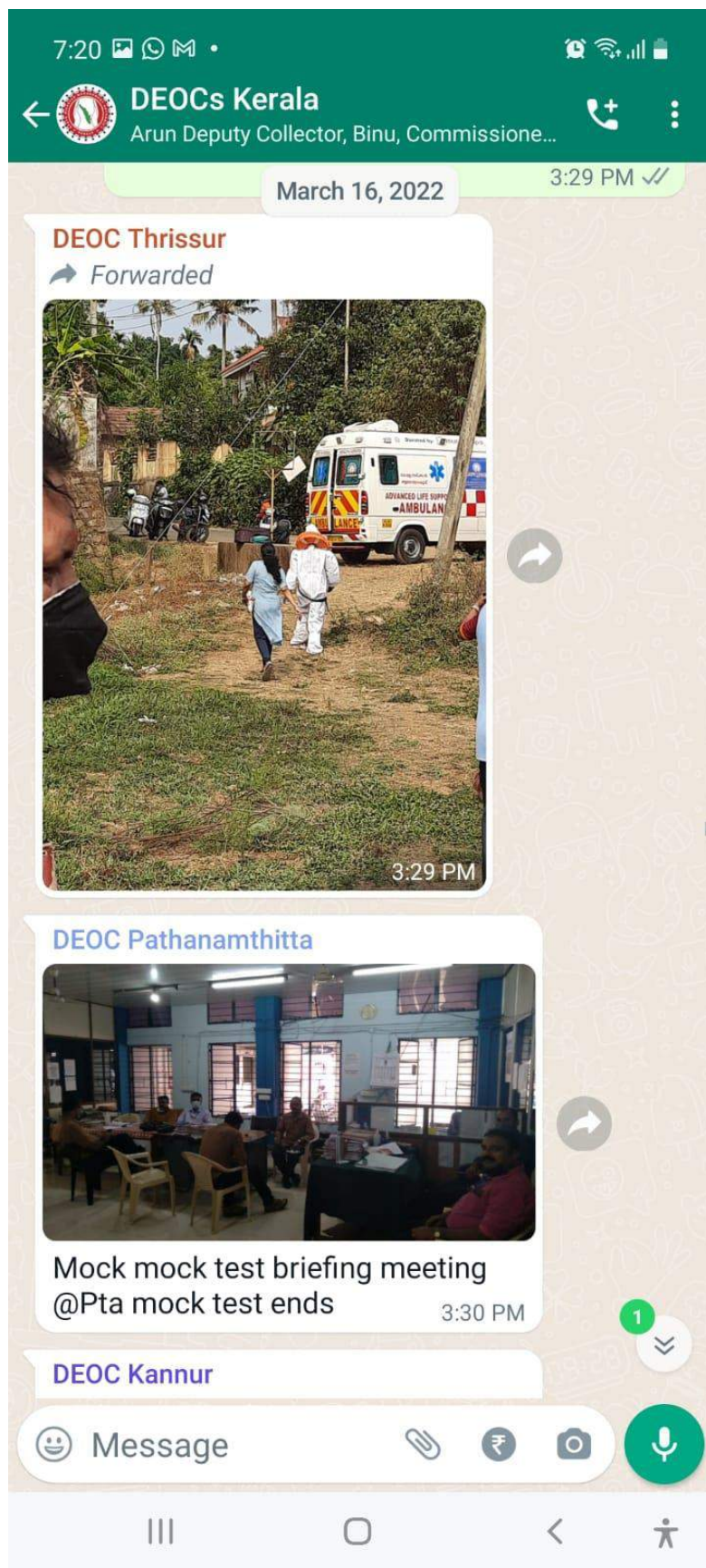




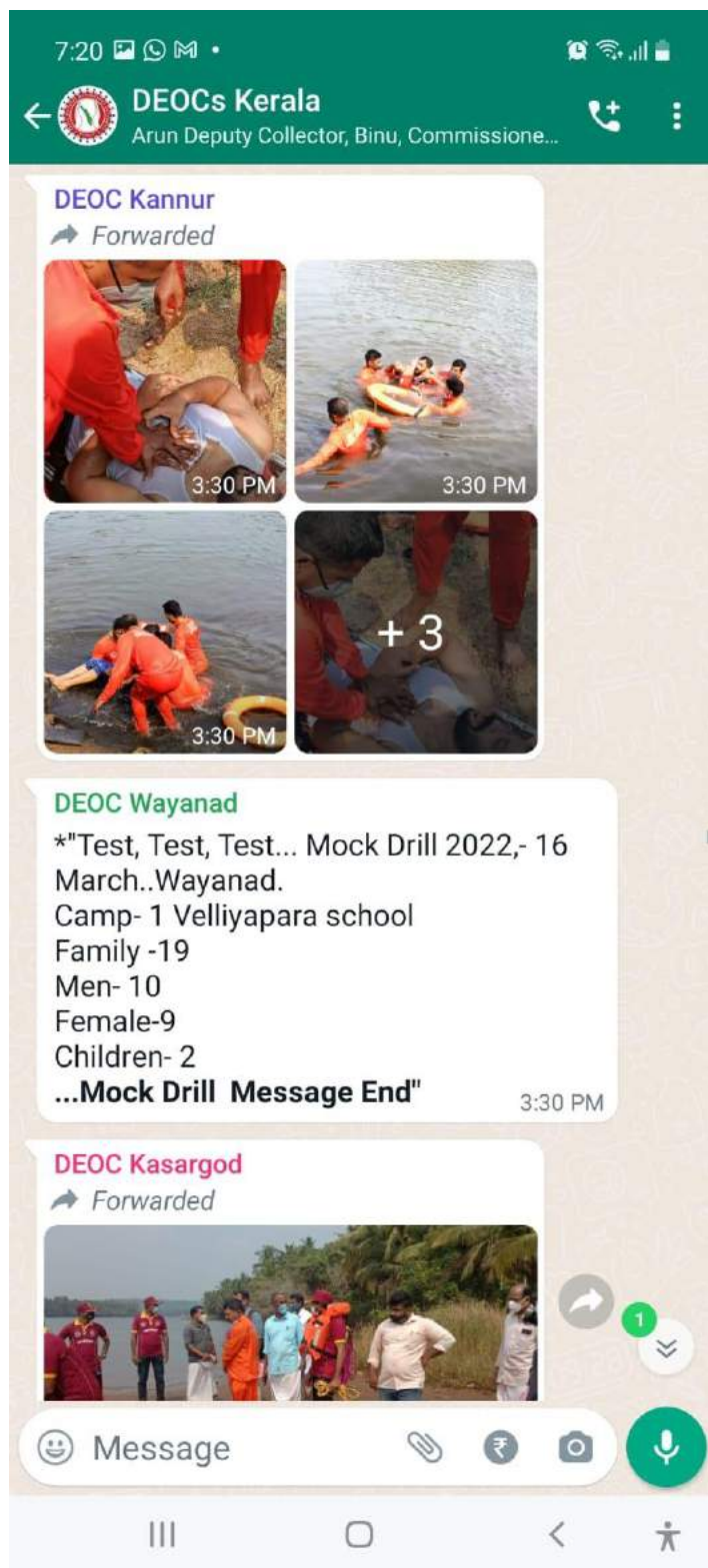




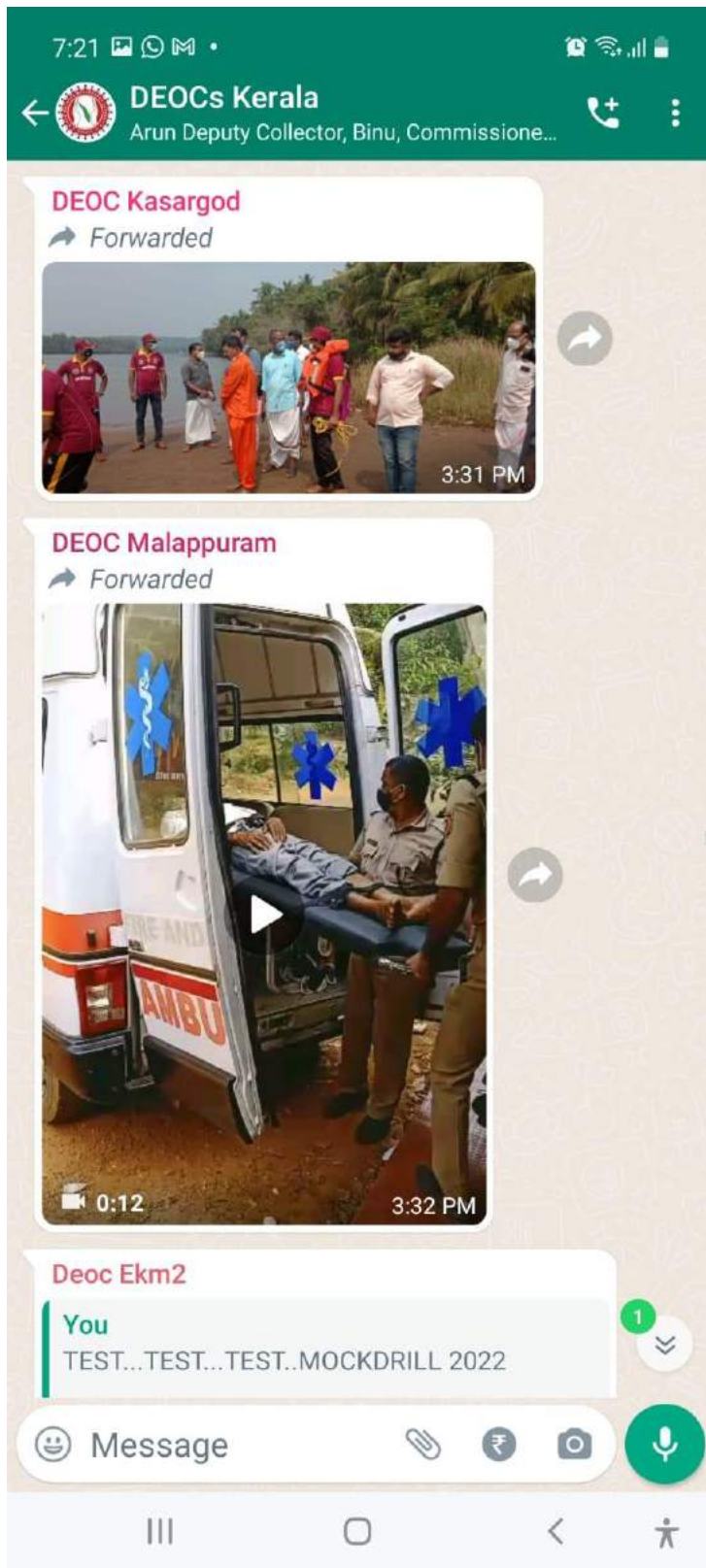




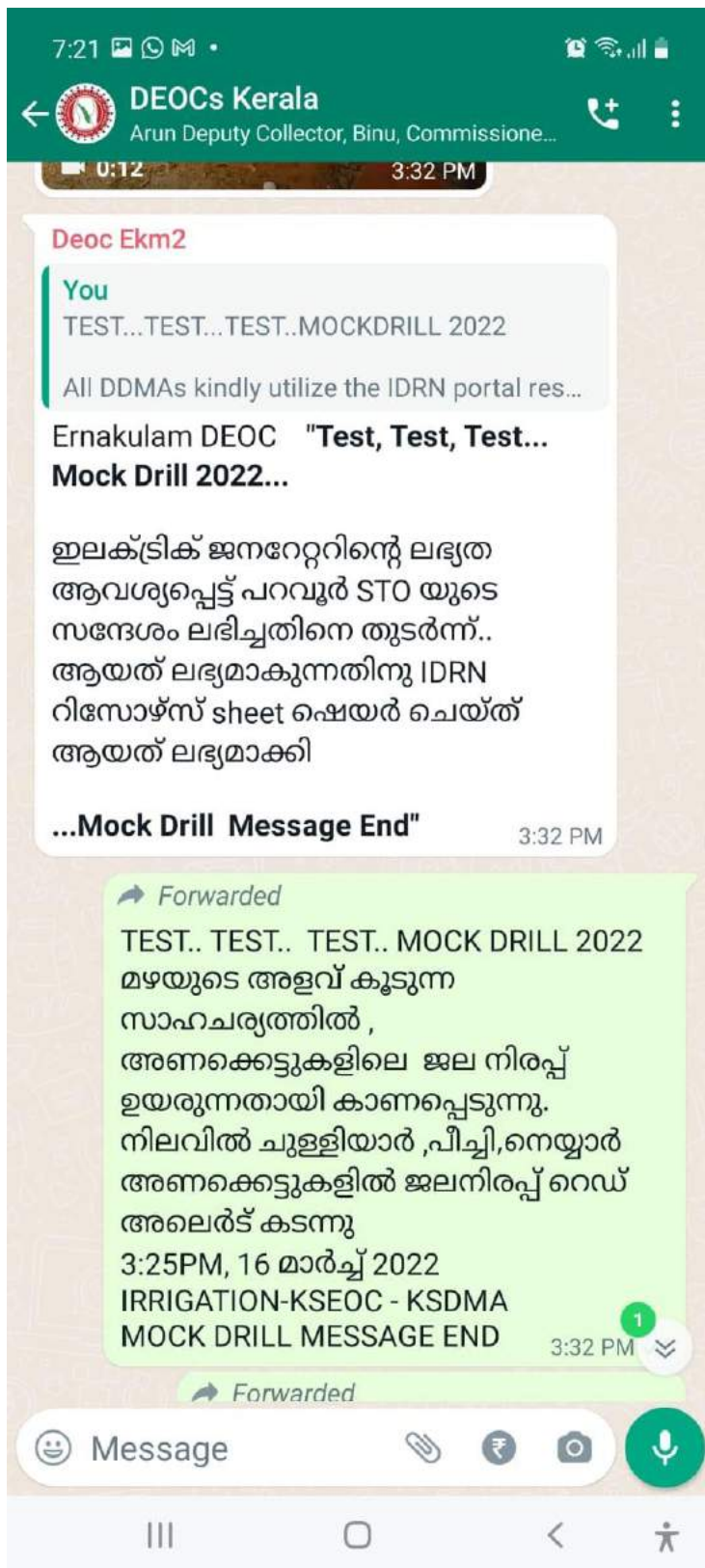












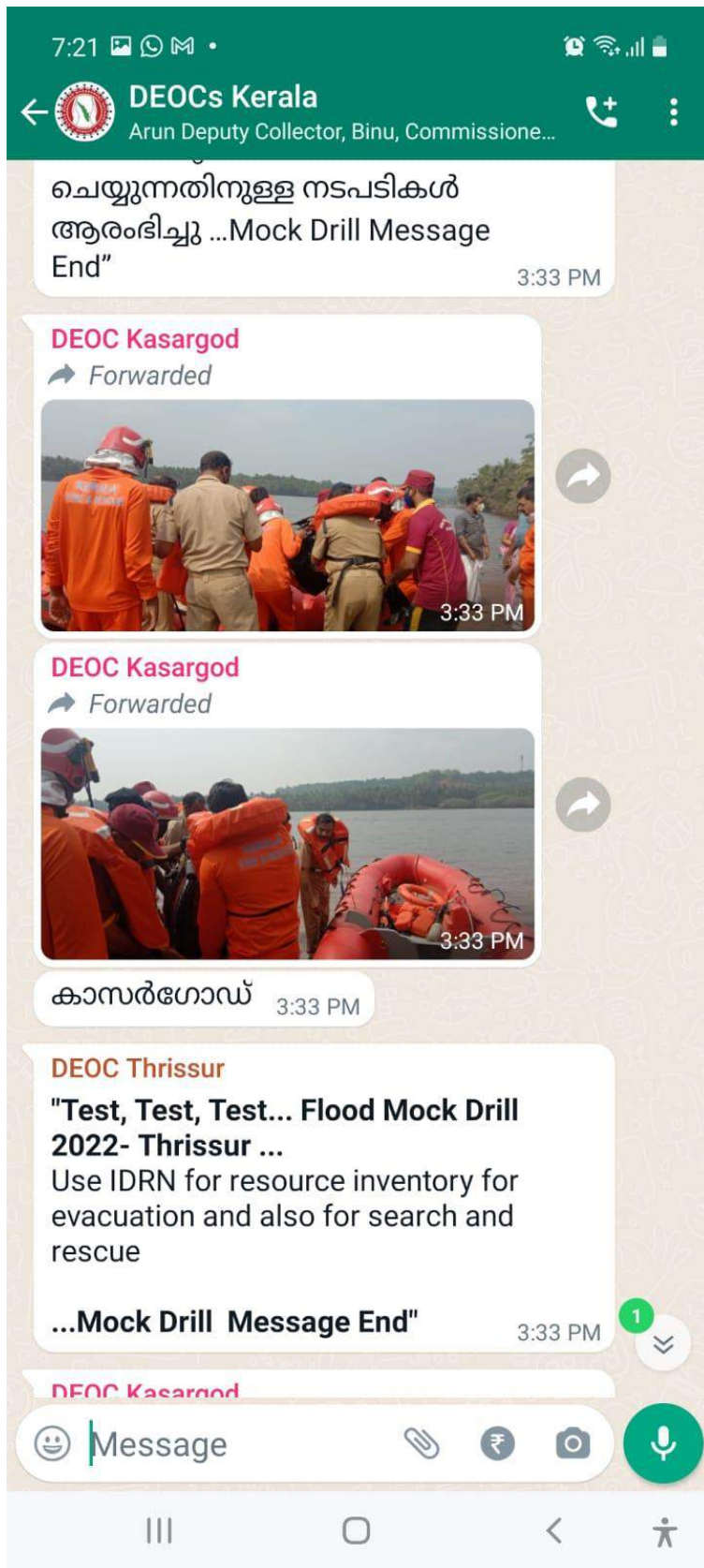




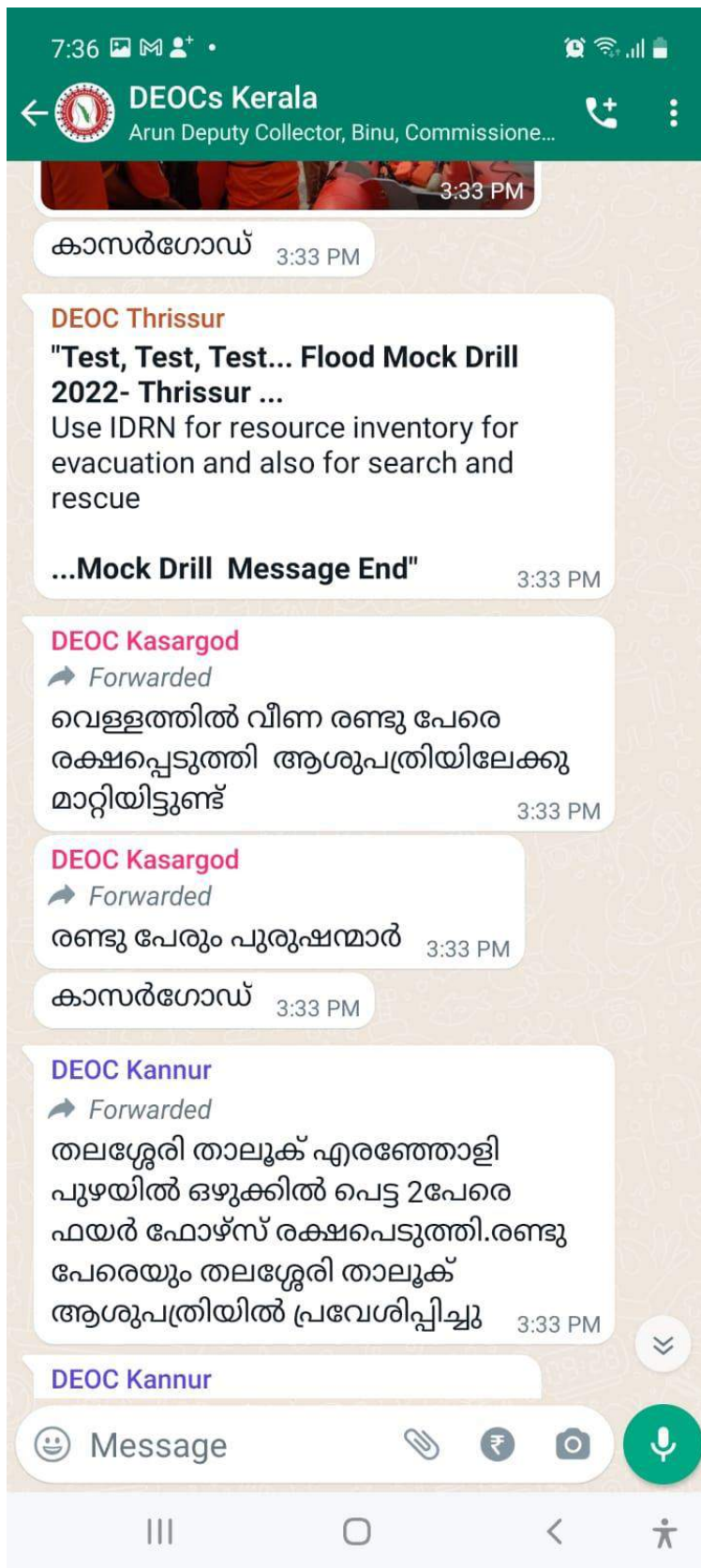




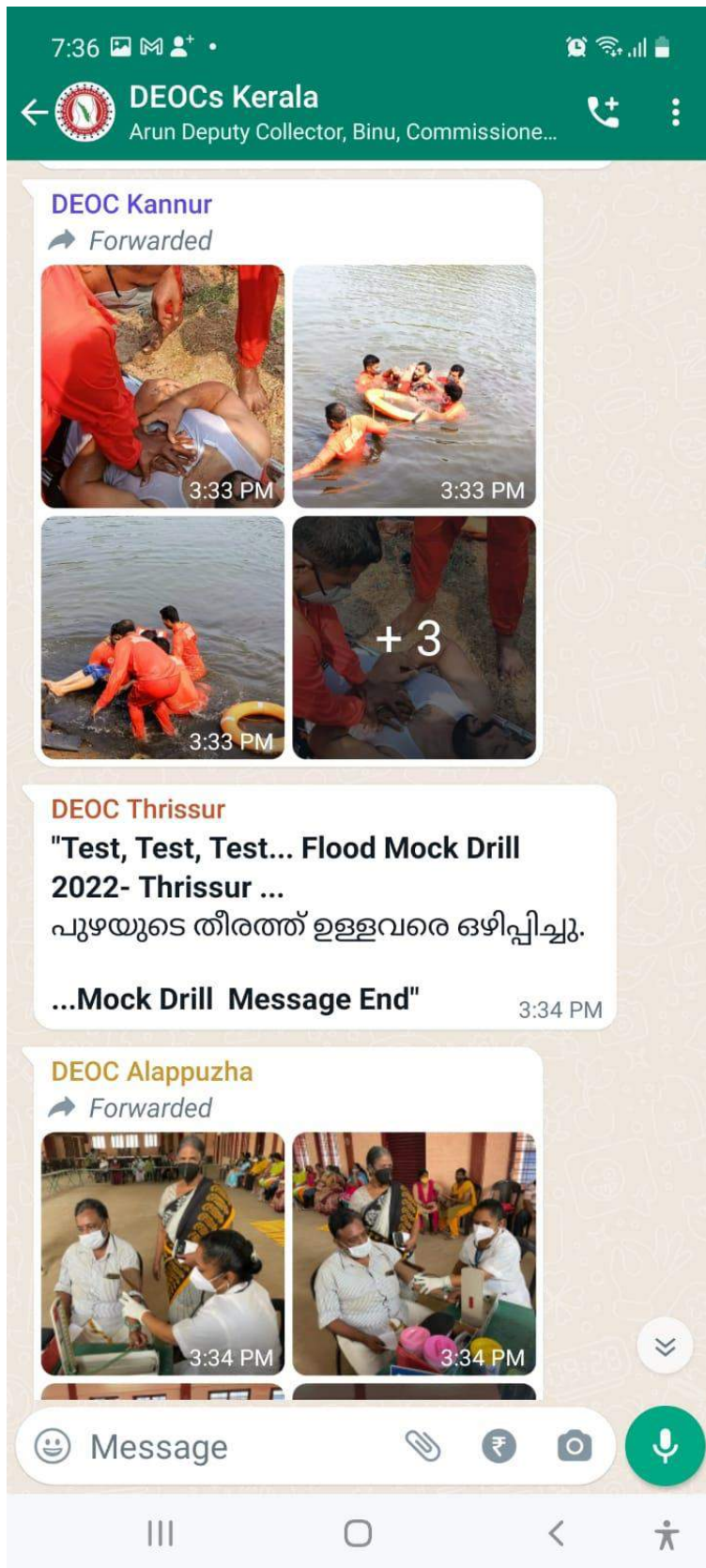








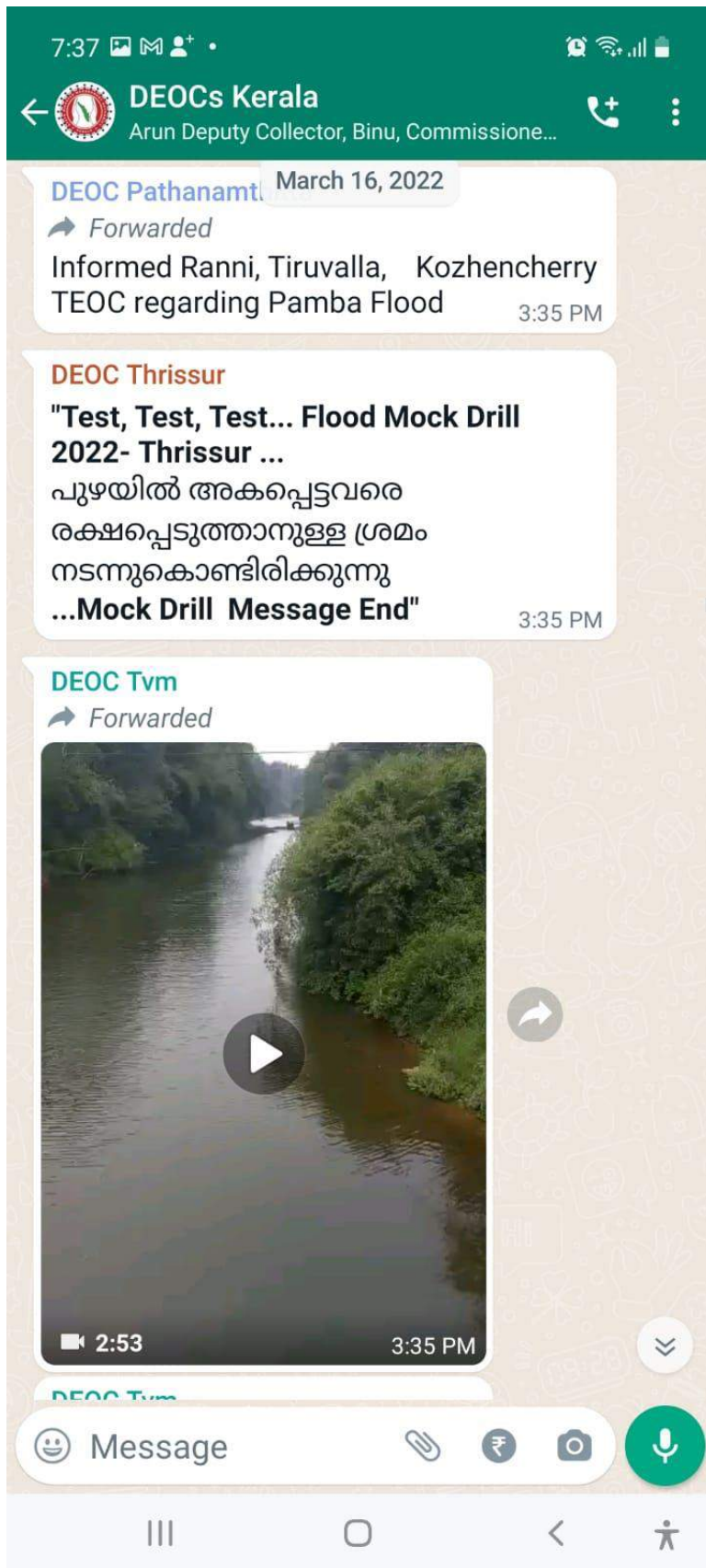




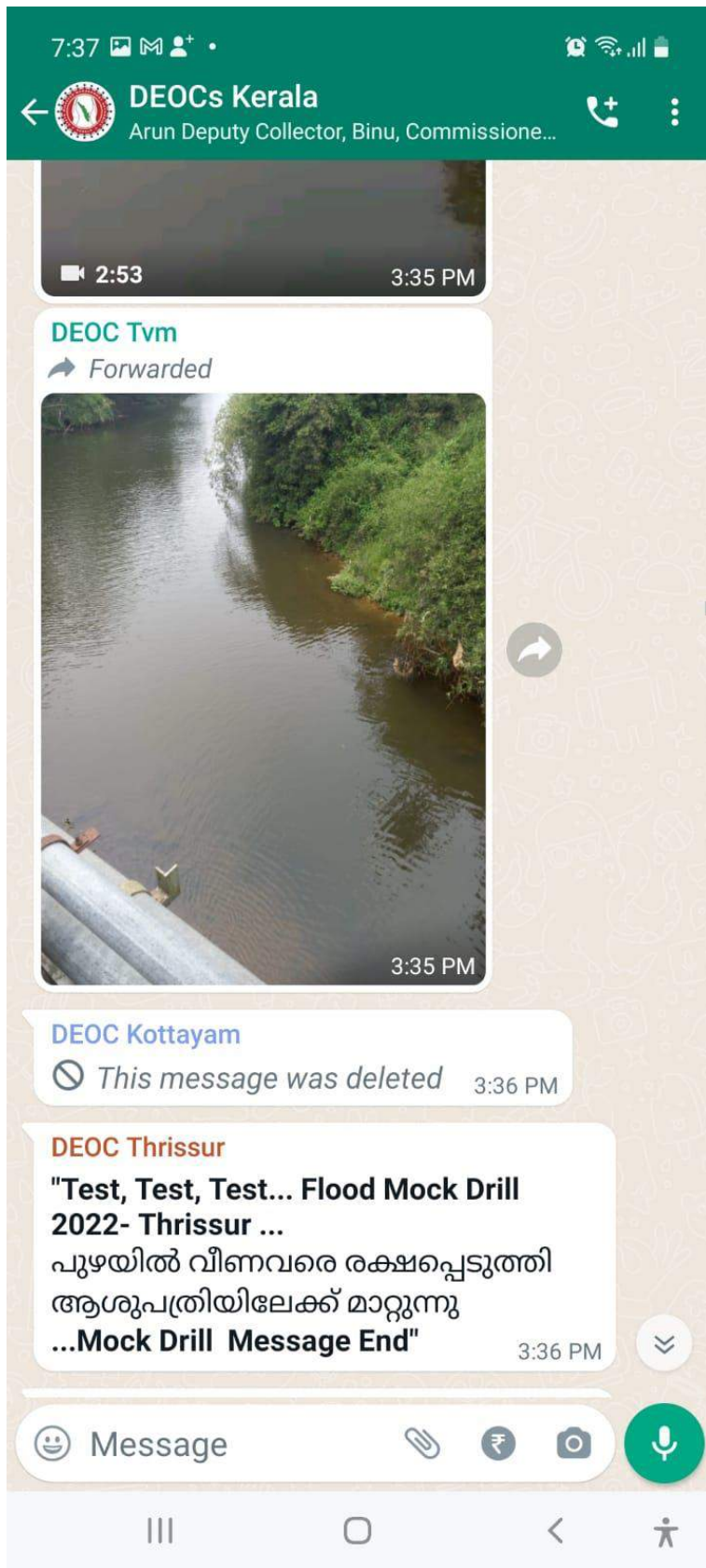




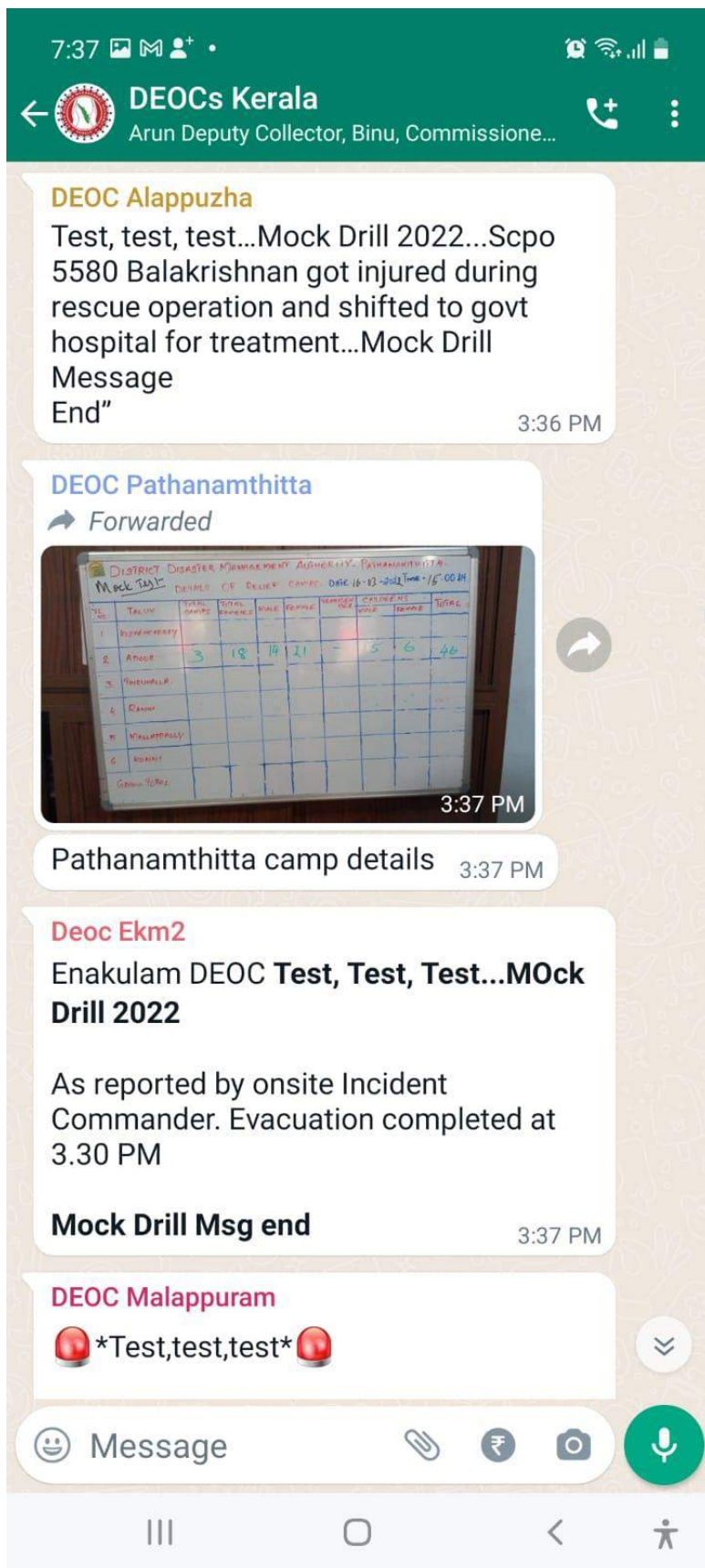




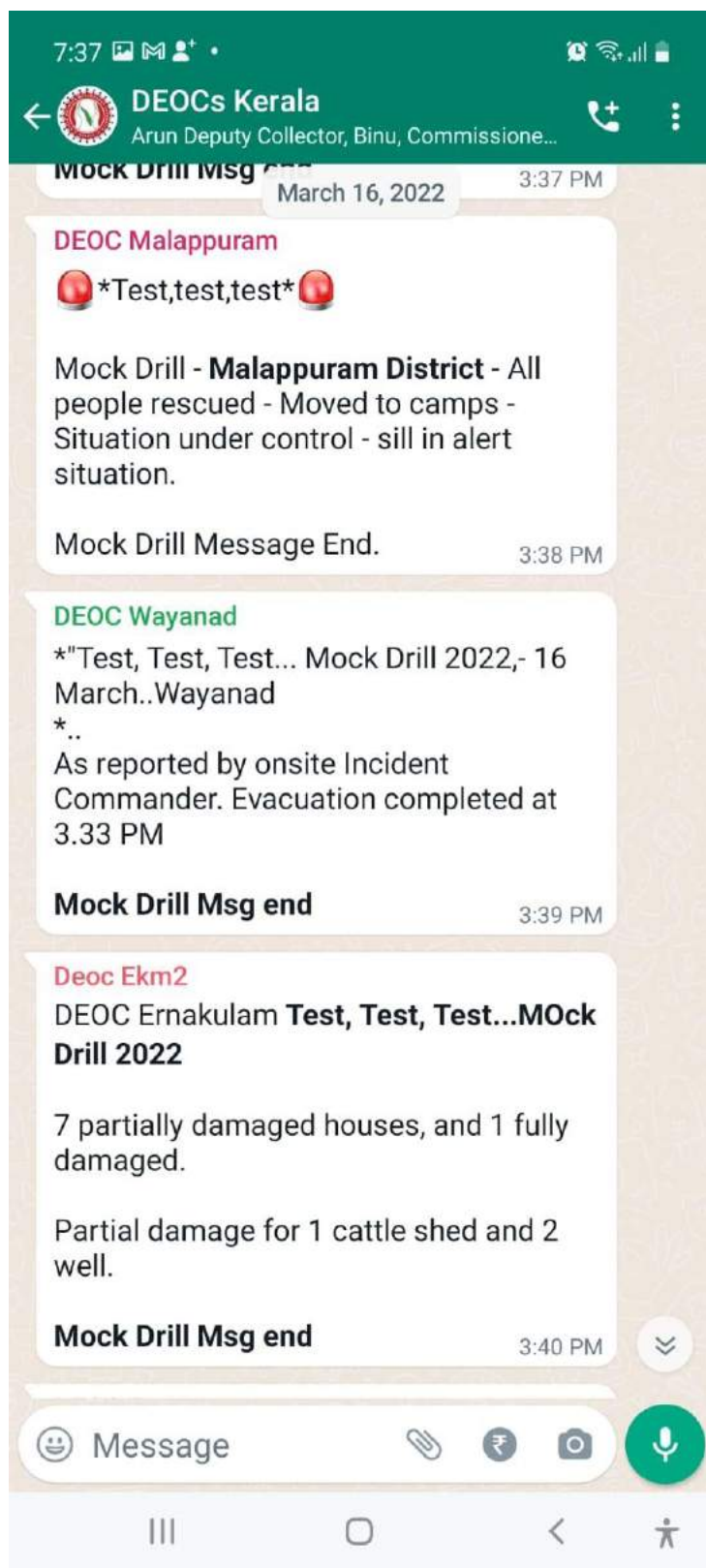




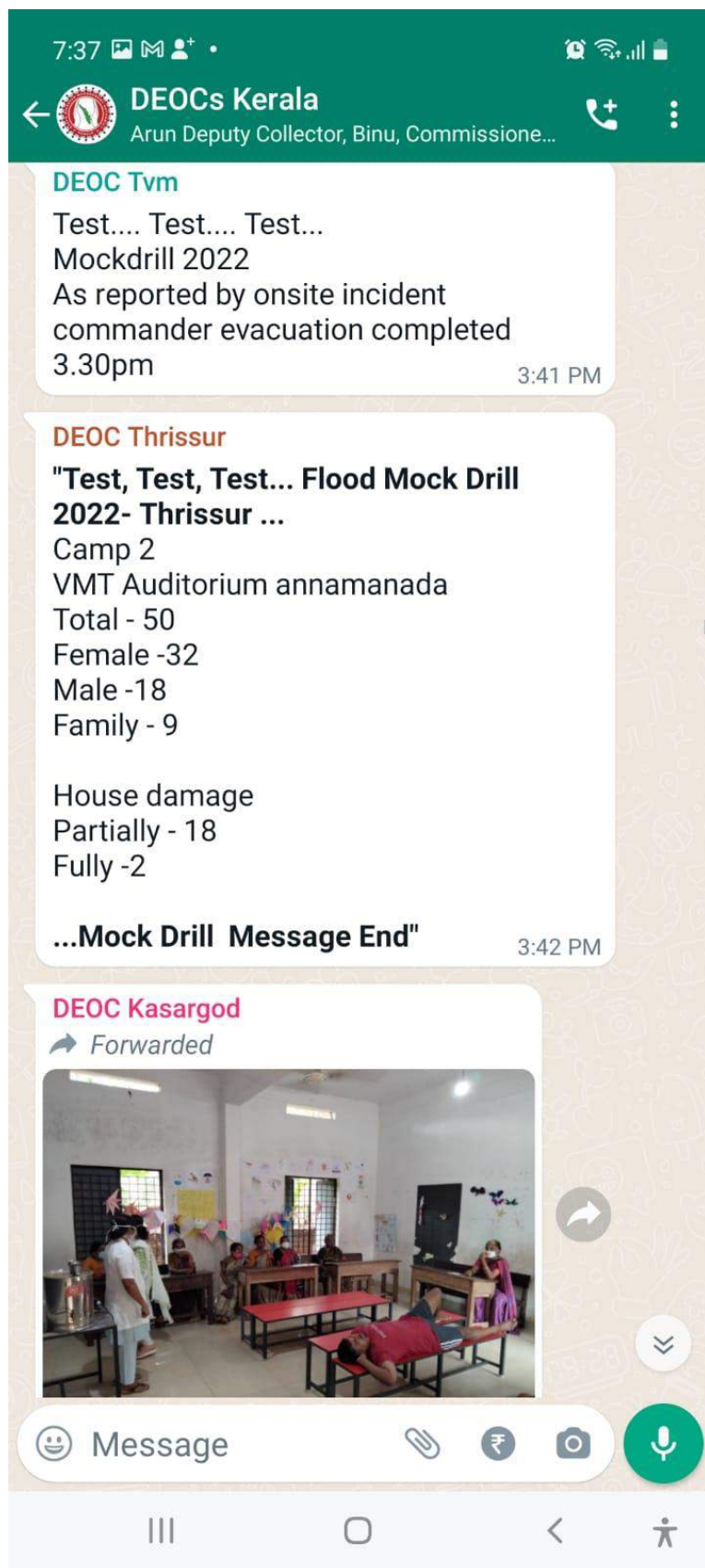




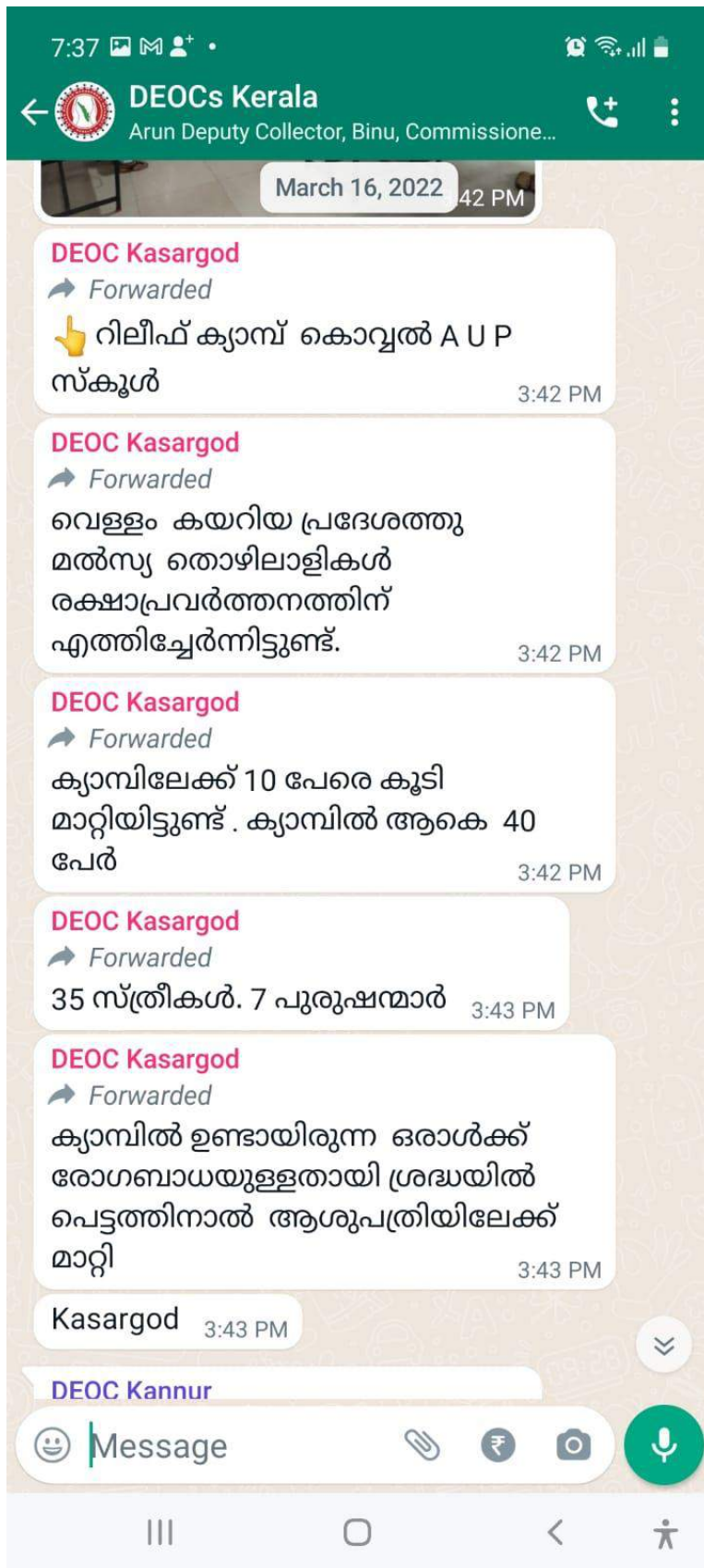




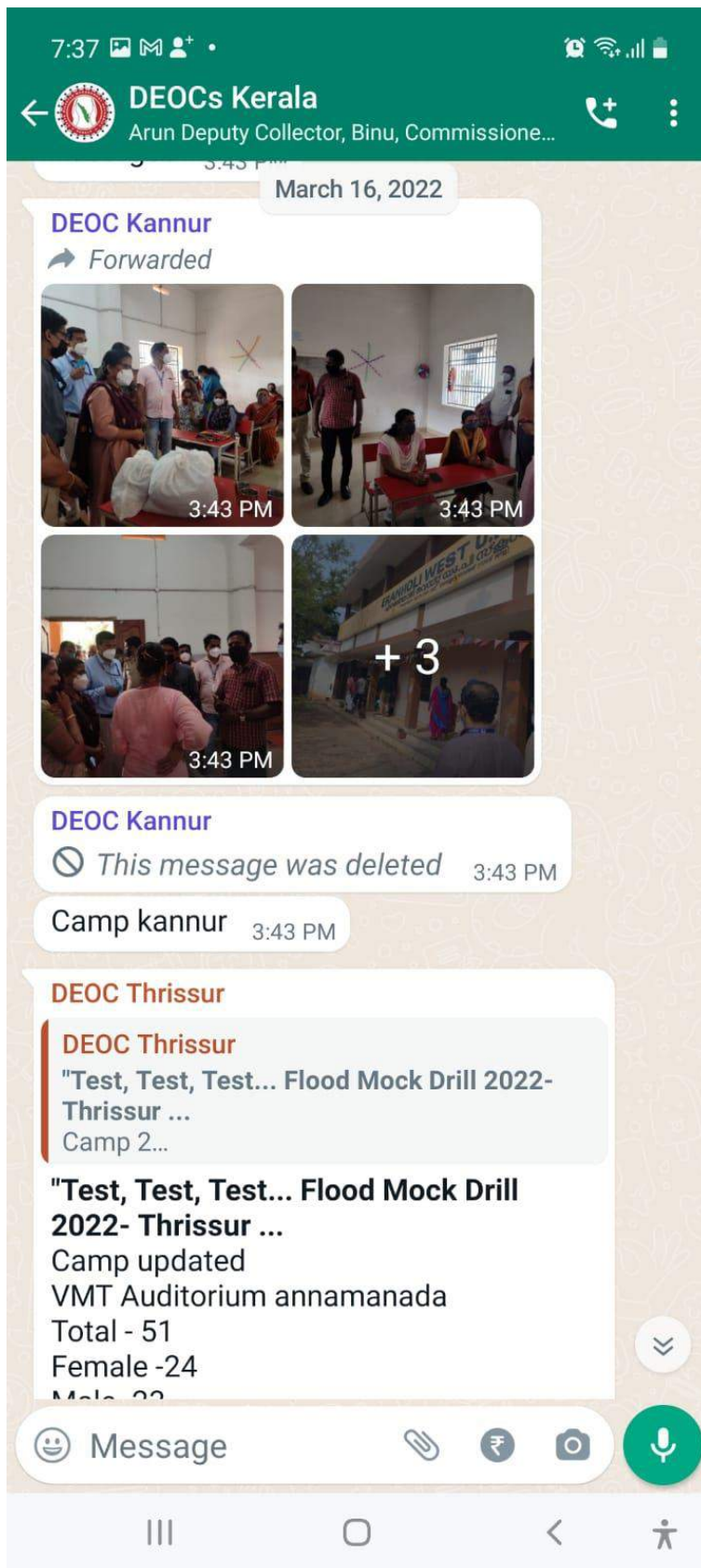




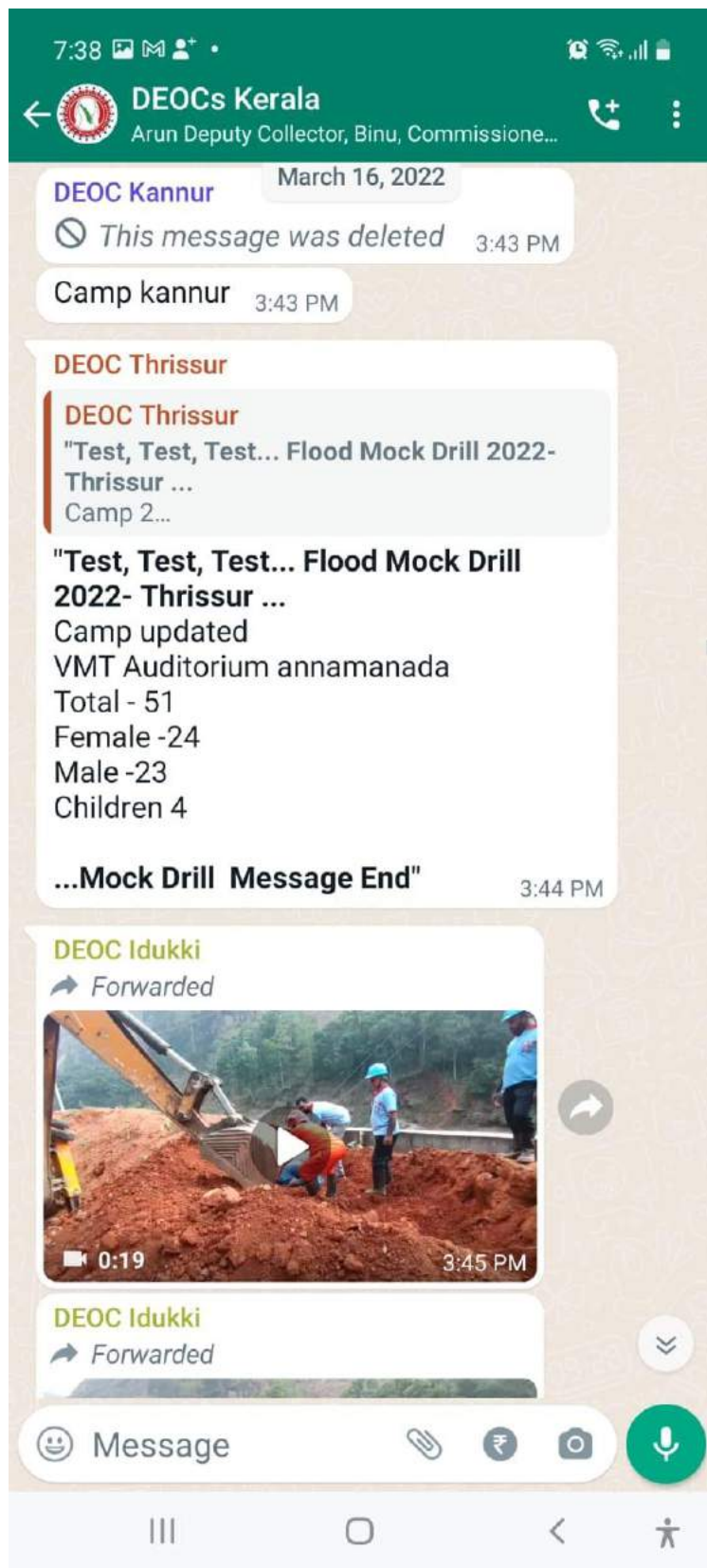




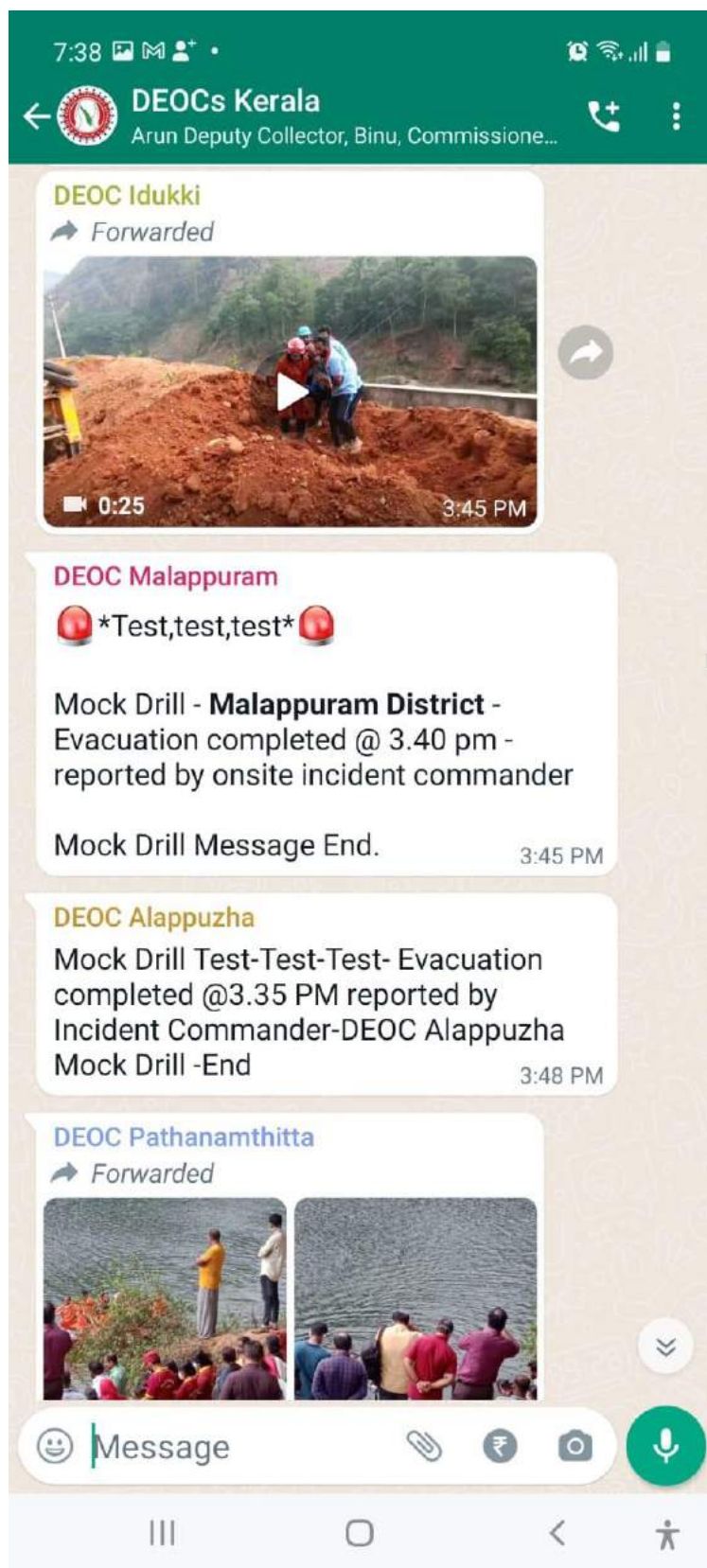




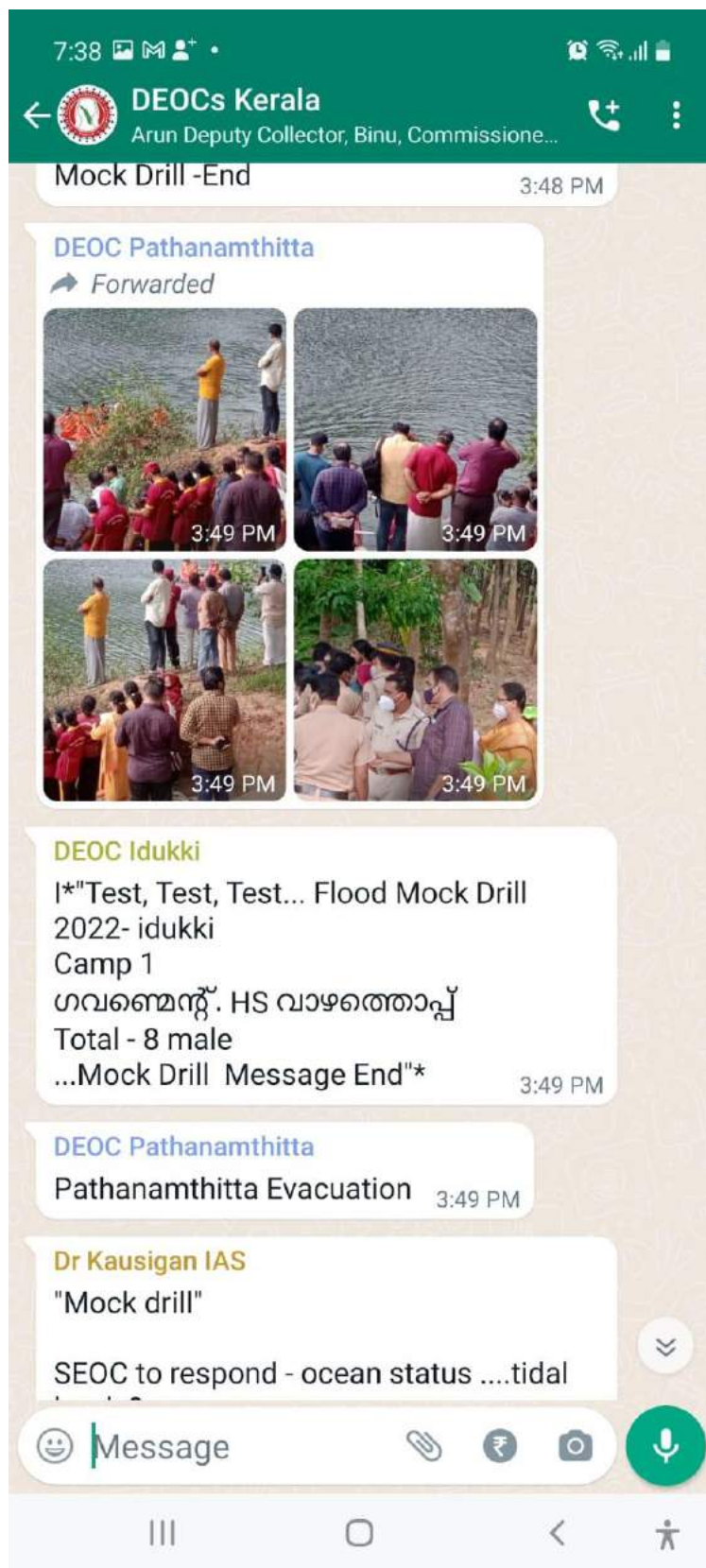




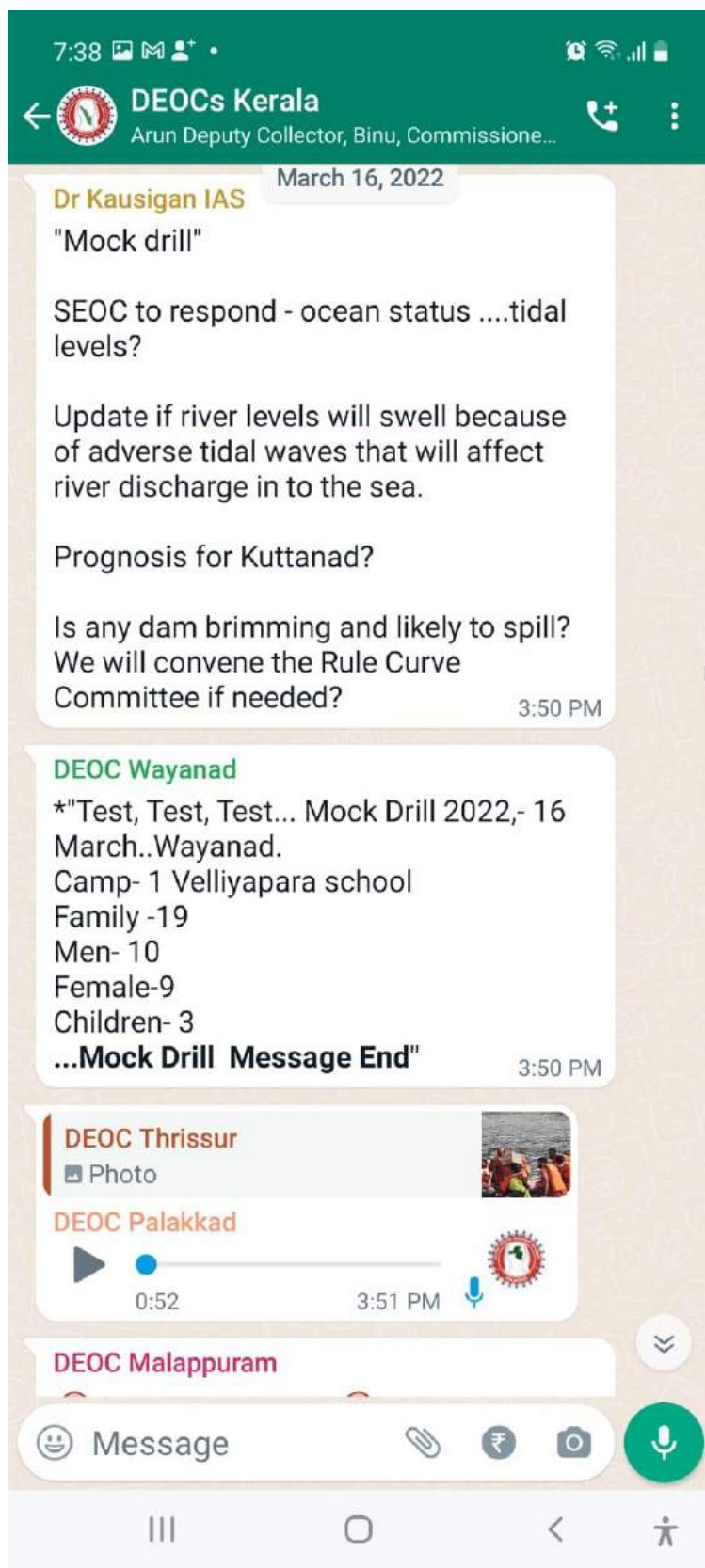




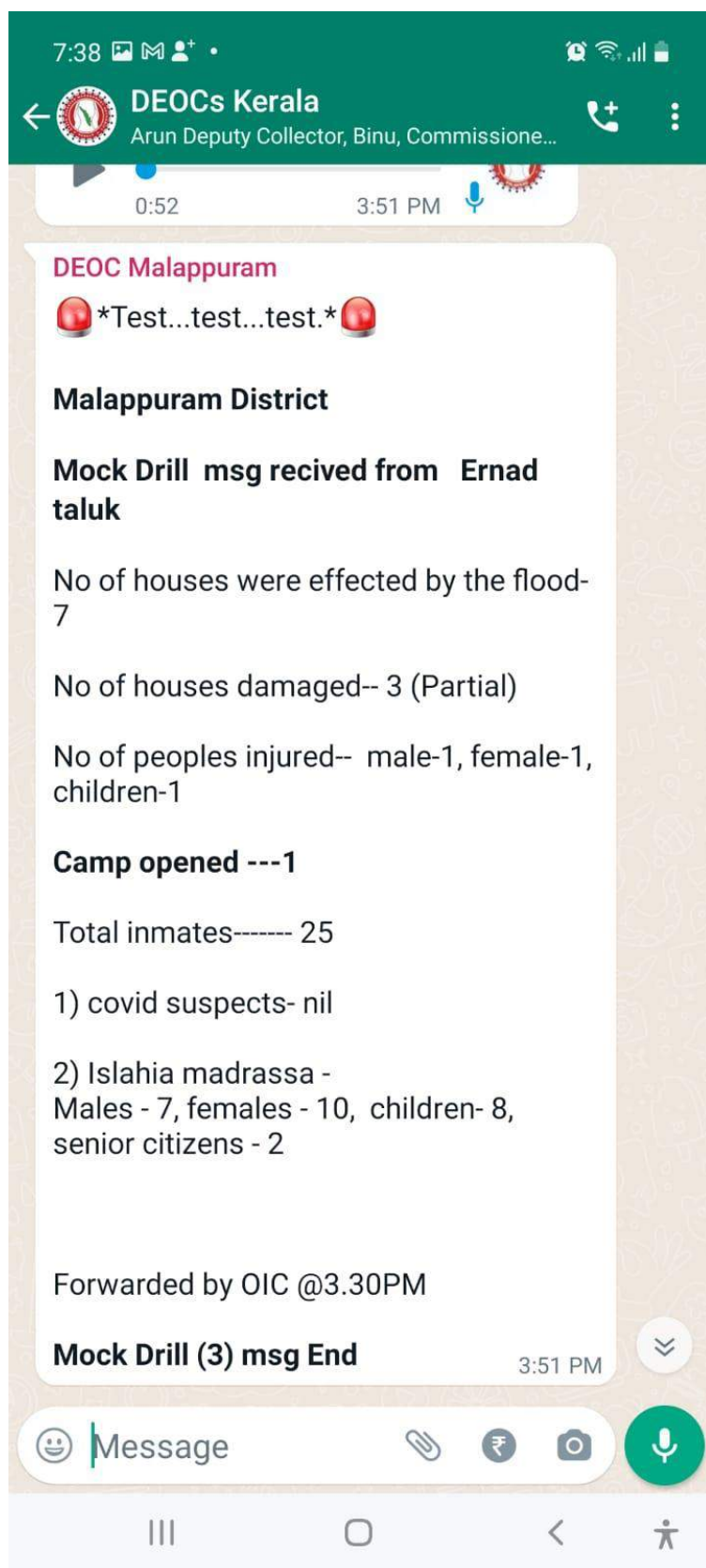




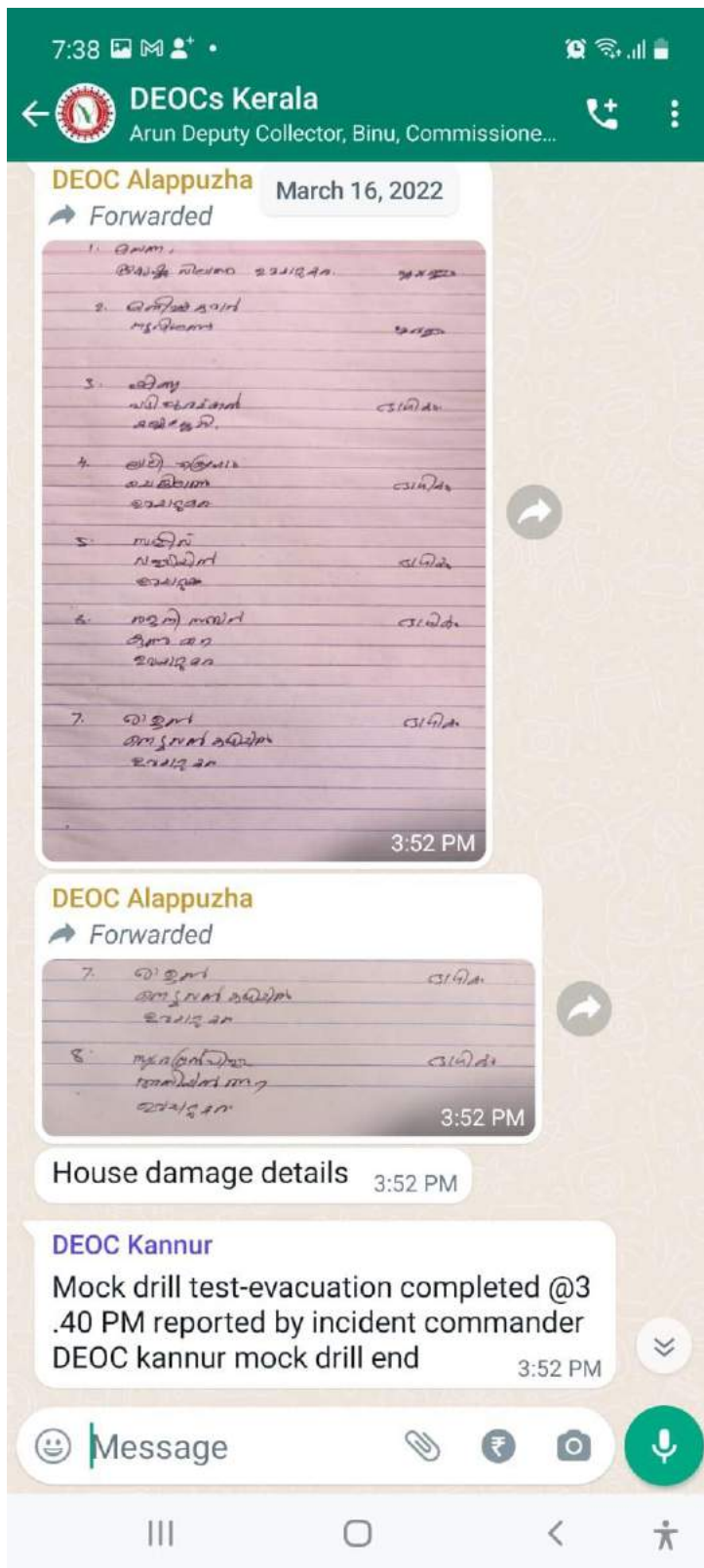




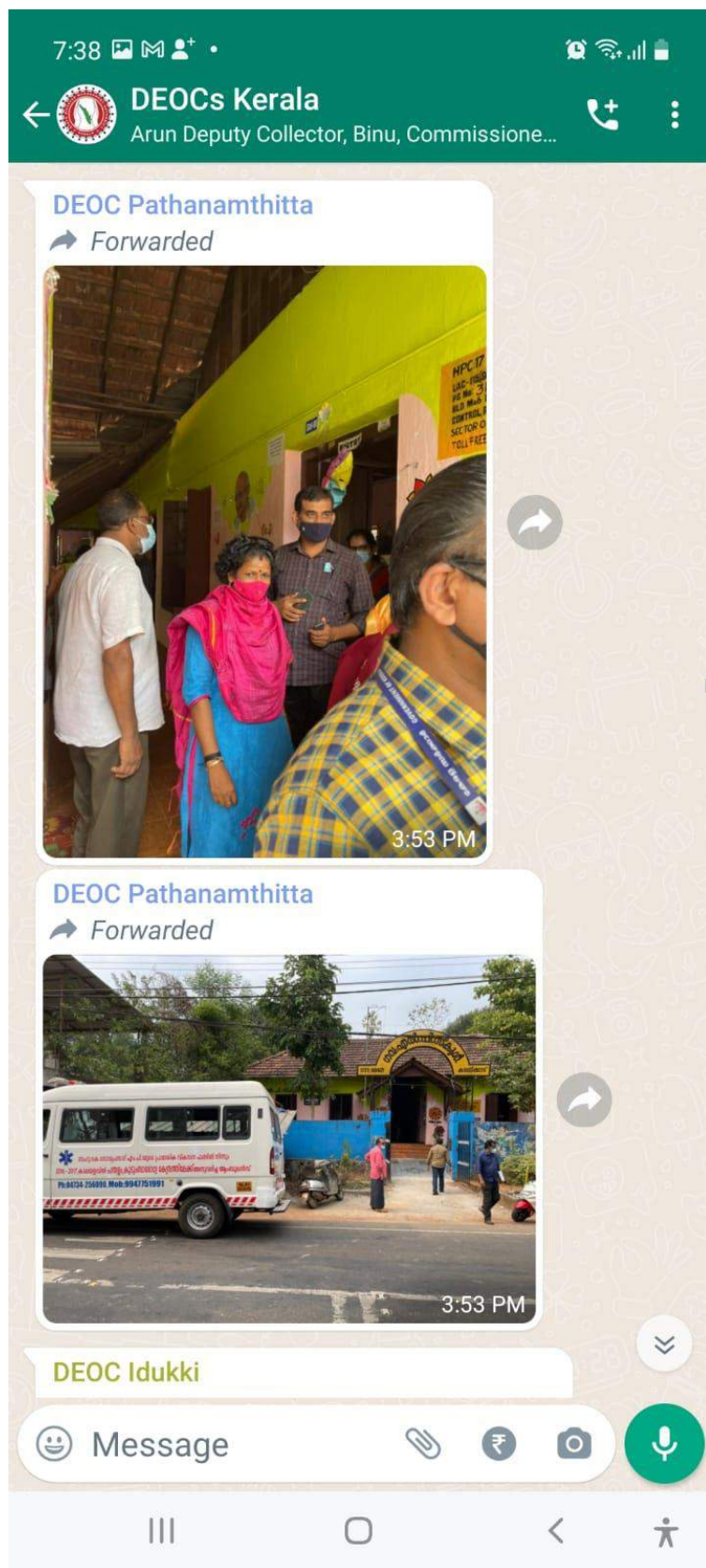




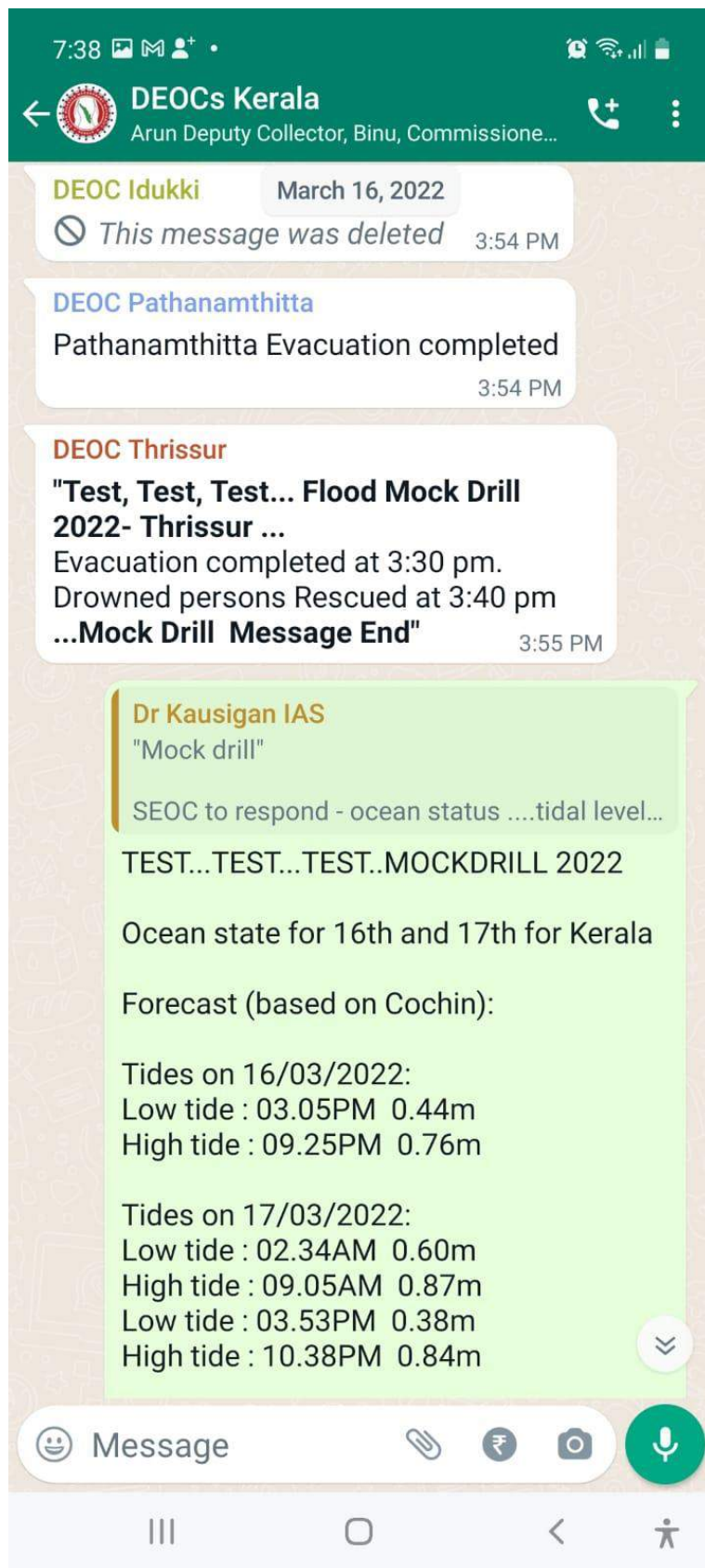




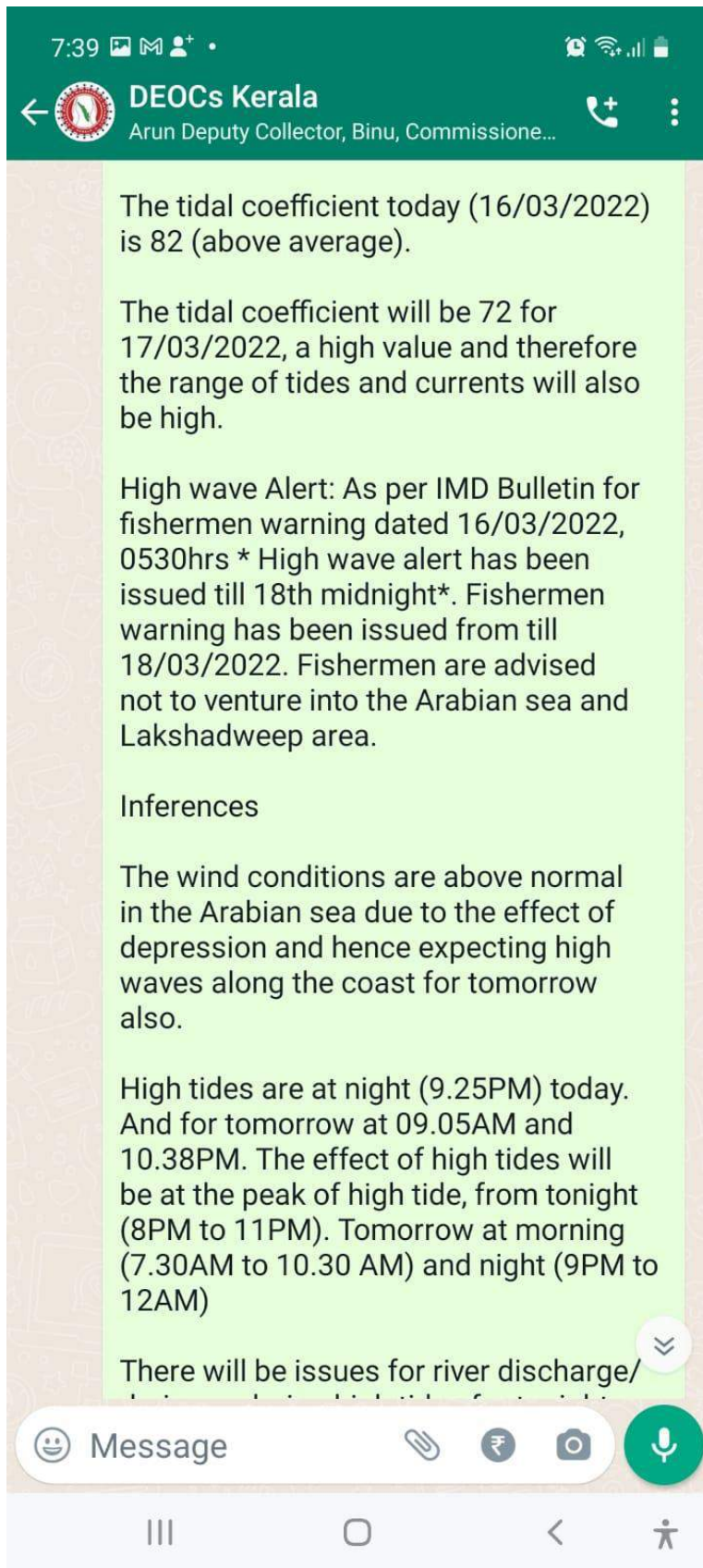












The tidal coefficient today (16/03/2022) is 82 (above average).

The tidal coefficient will be 72 for 17/03/2022, a high value and therefore the range of tides and currents will also be high.

High wave Alert: As per IMD Bulletin for fishermen warning dated 16/03/2022, 0530hrs \* High wave alert has been issued till 18th midnight\*. Fishermen warning has been issued from till 18/03/2022. Fishermen are advised not to venture into the Arabian sea and Lakshadweep area.

#### Inferences

The wind conditions are above normal in the Arabian sea due to the effect of depression and hence expecting high waves along the coast for tomorrow also.

High tides are at night (9.25PM) today. And for tomorrow at 09.05AM and 10.38PM. The effect of high tides will be at the peak of high tide, from tonight (8PM to 11PM). Tomorrow at morning (7.30AM to 10.30 AM) and night (9PM to 12AM)

There will be issues for river discharge/

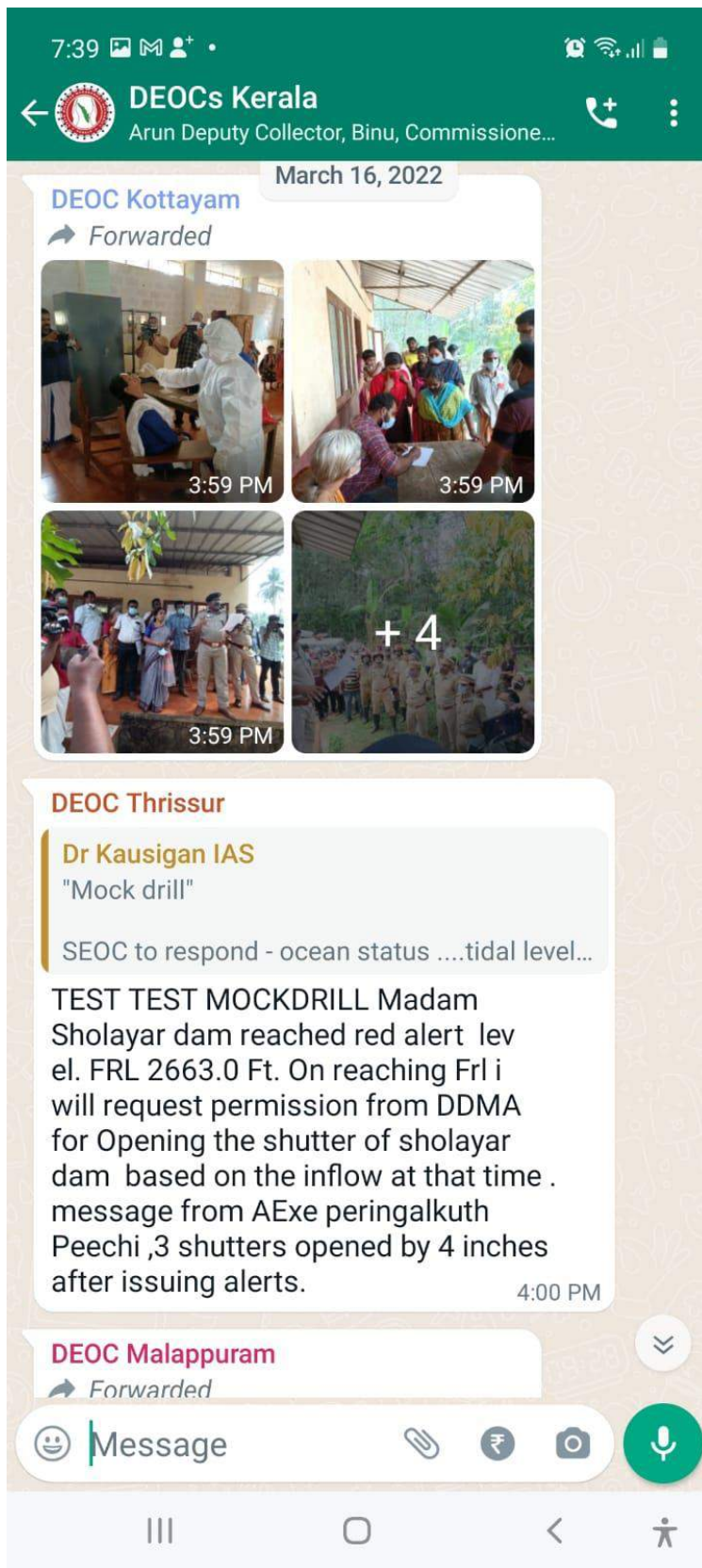




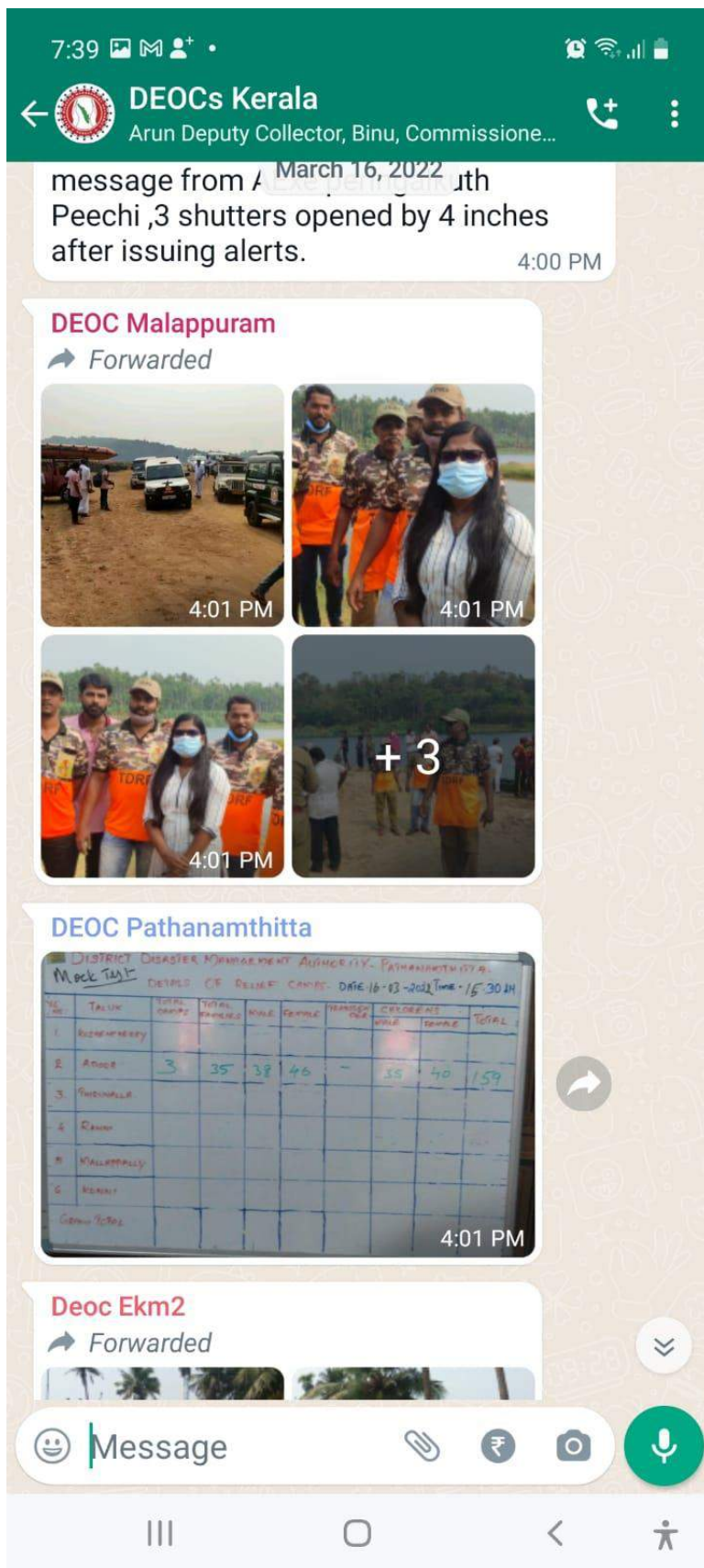




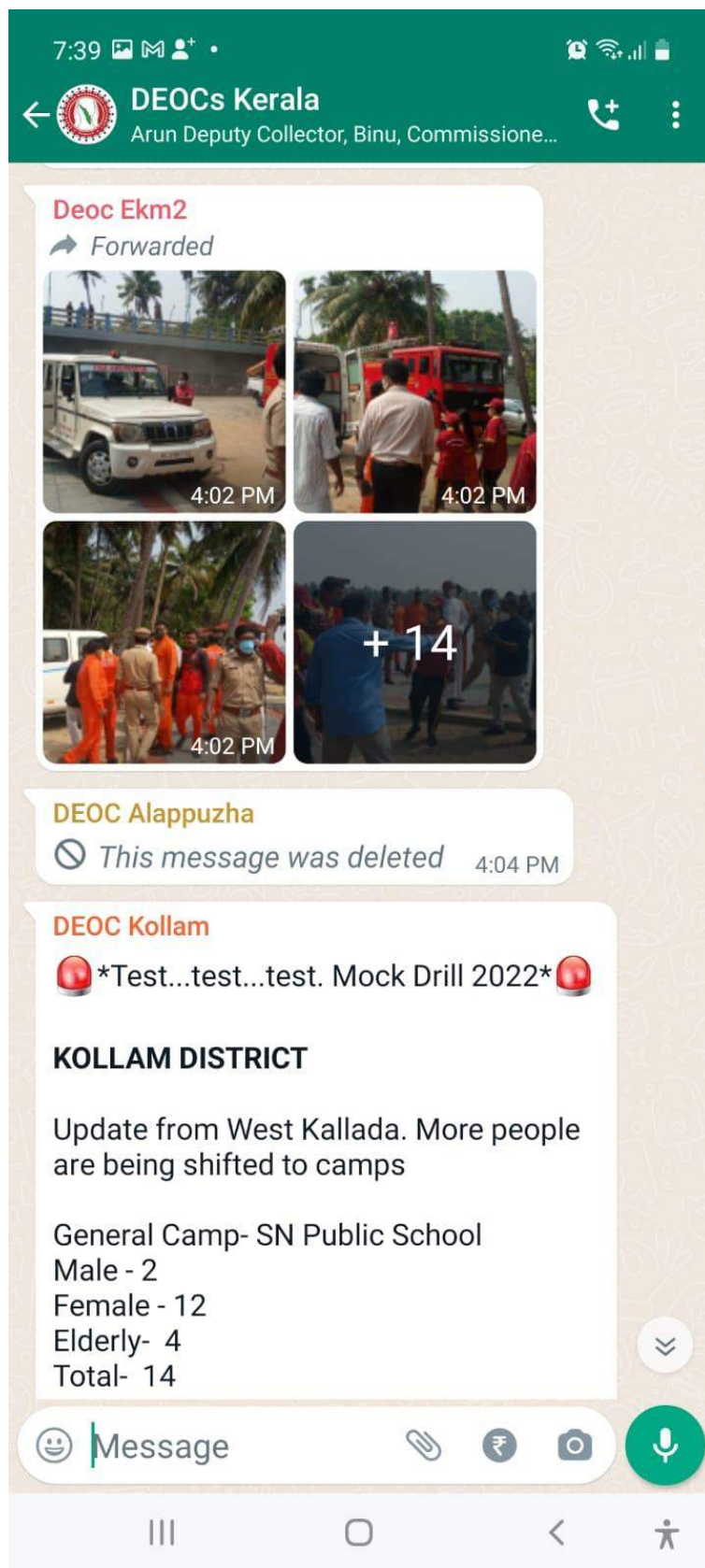




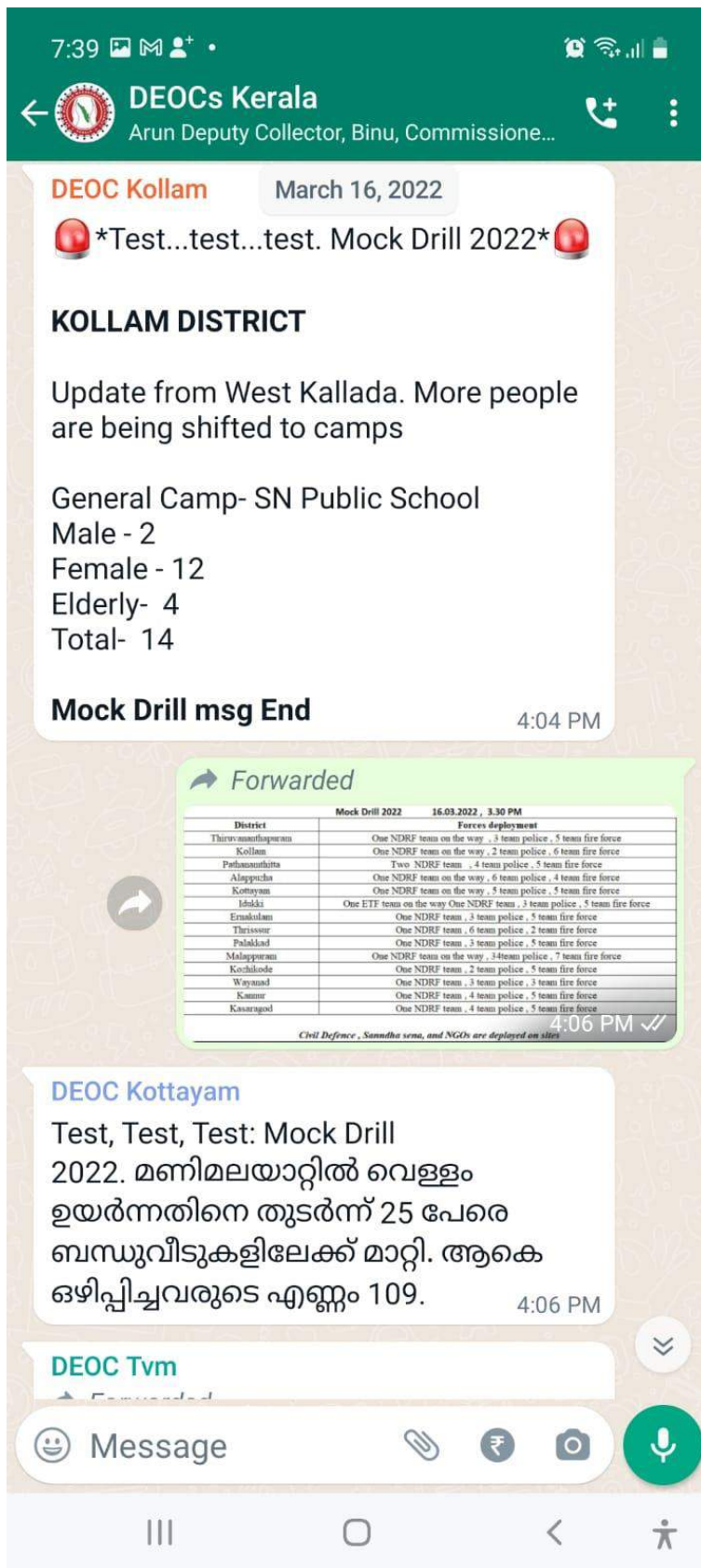




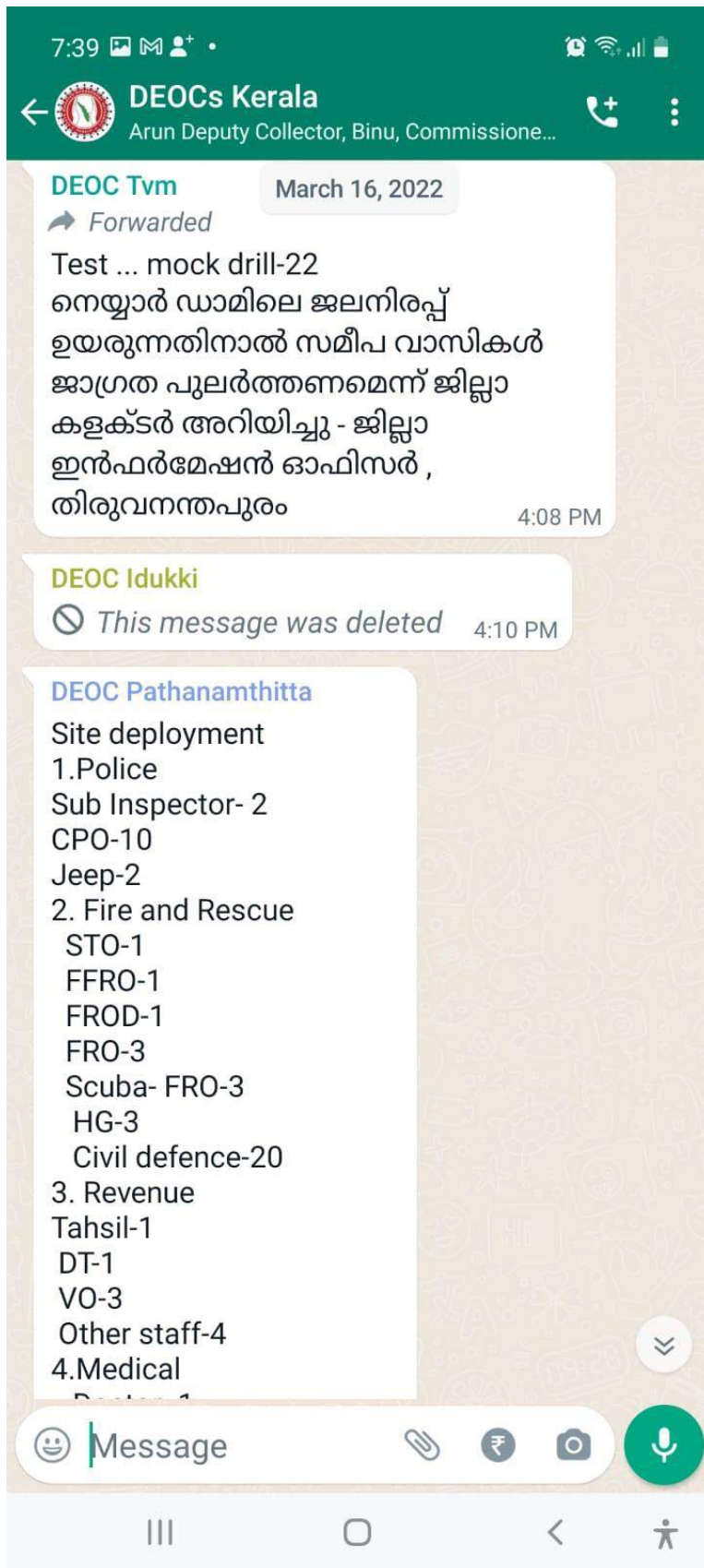




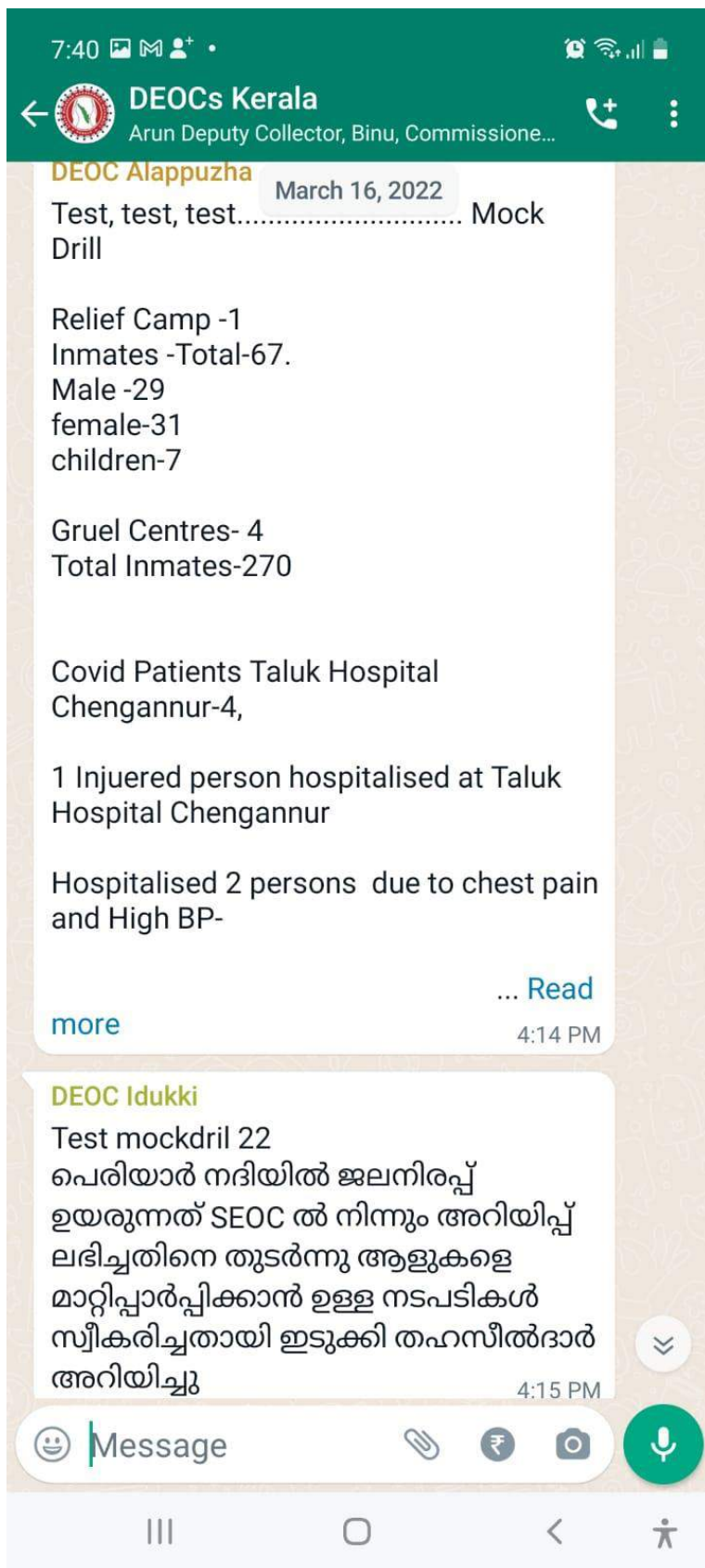








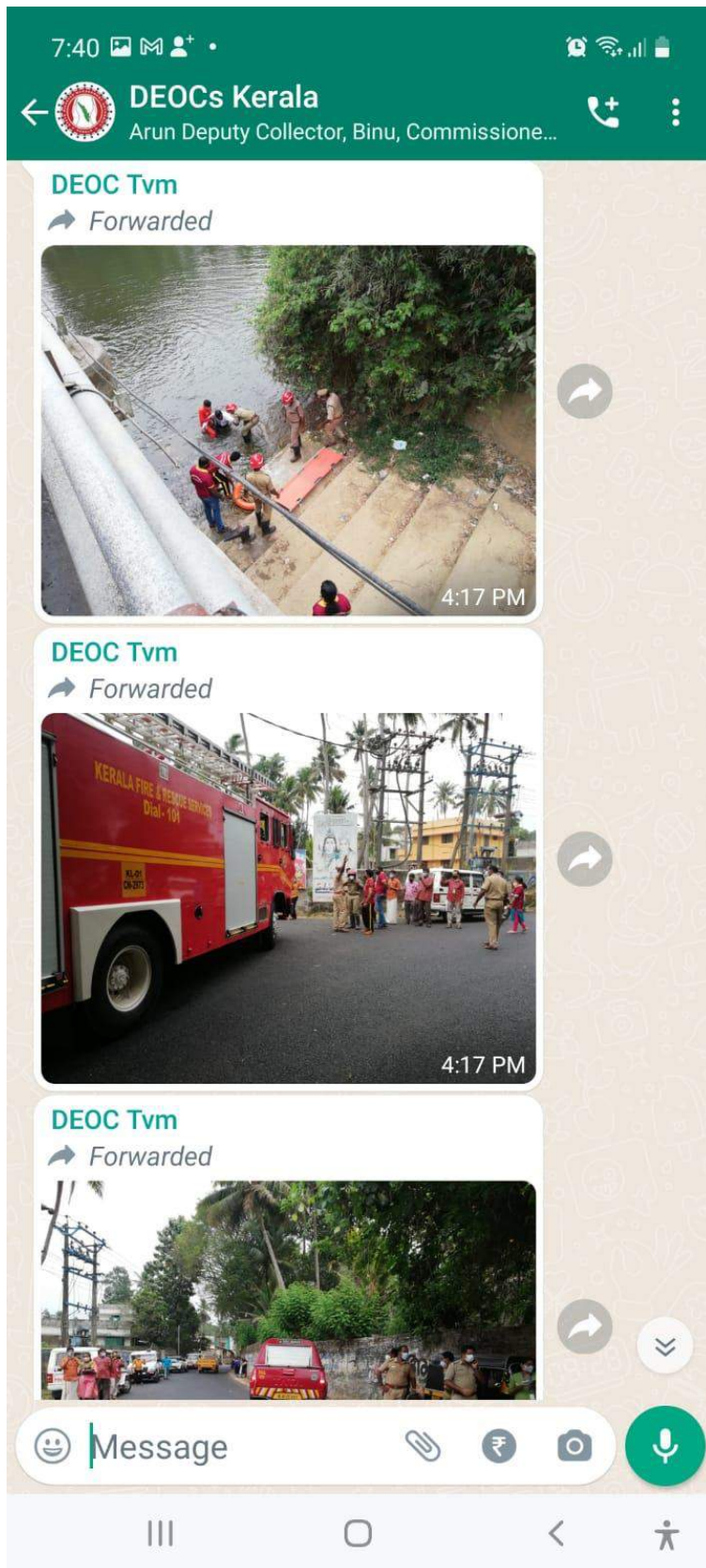




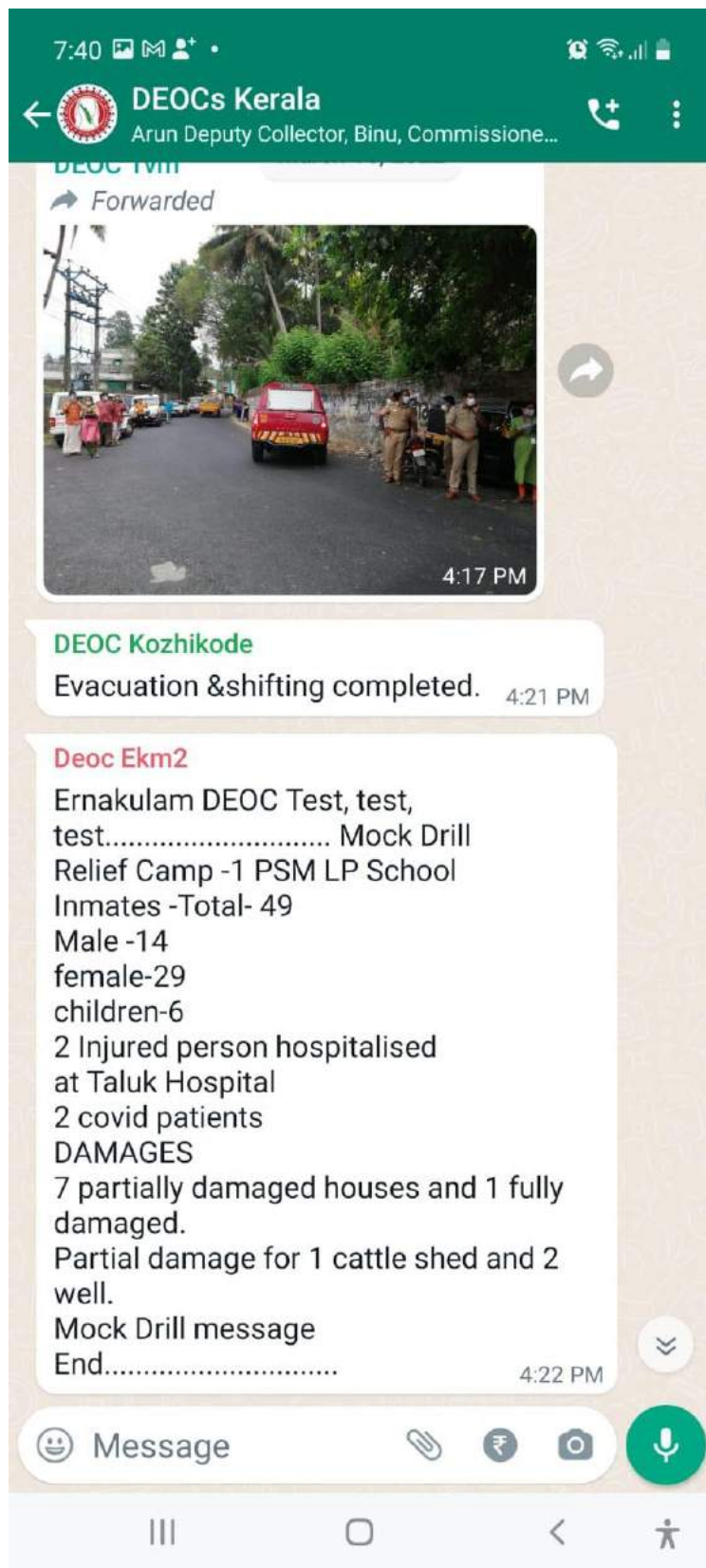




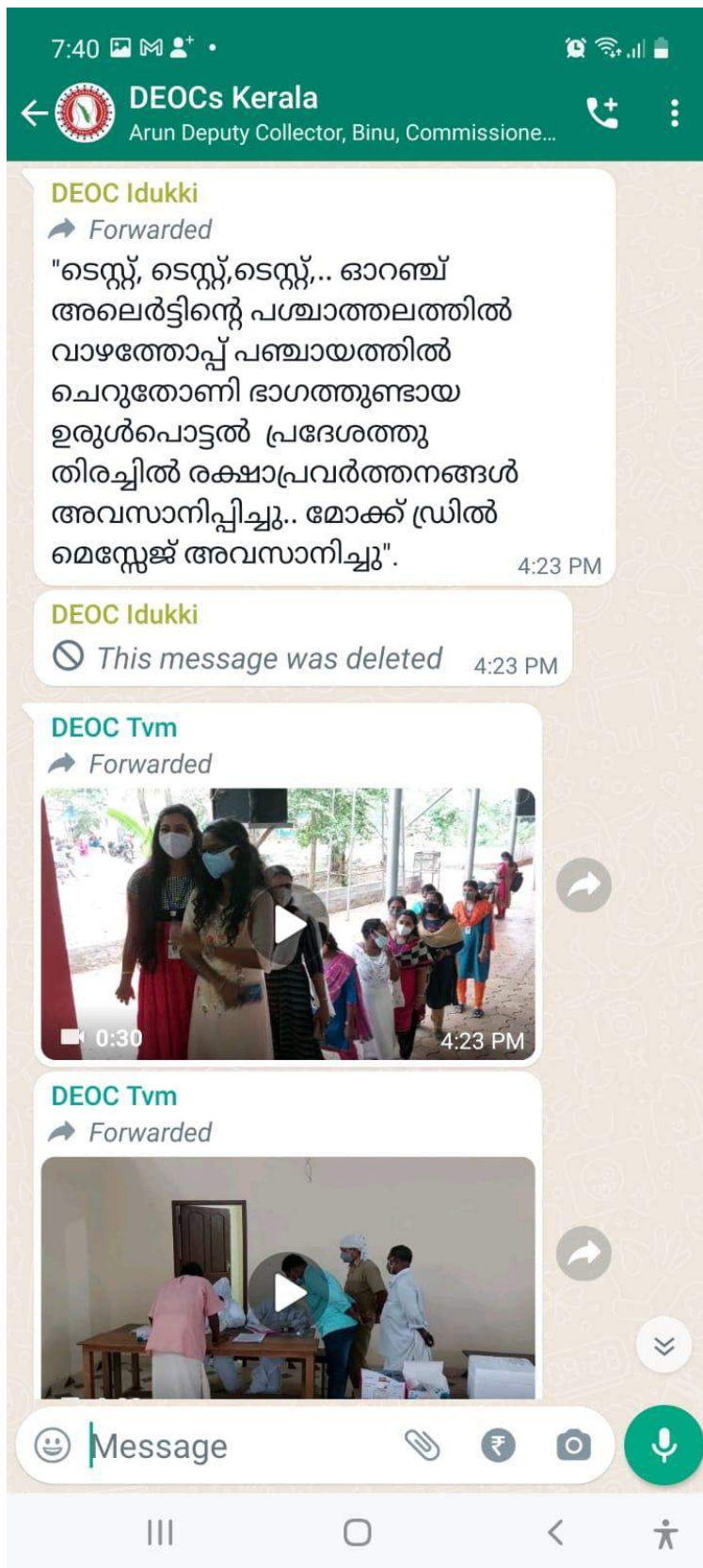




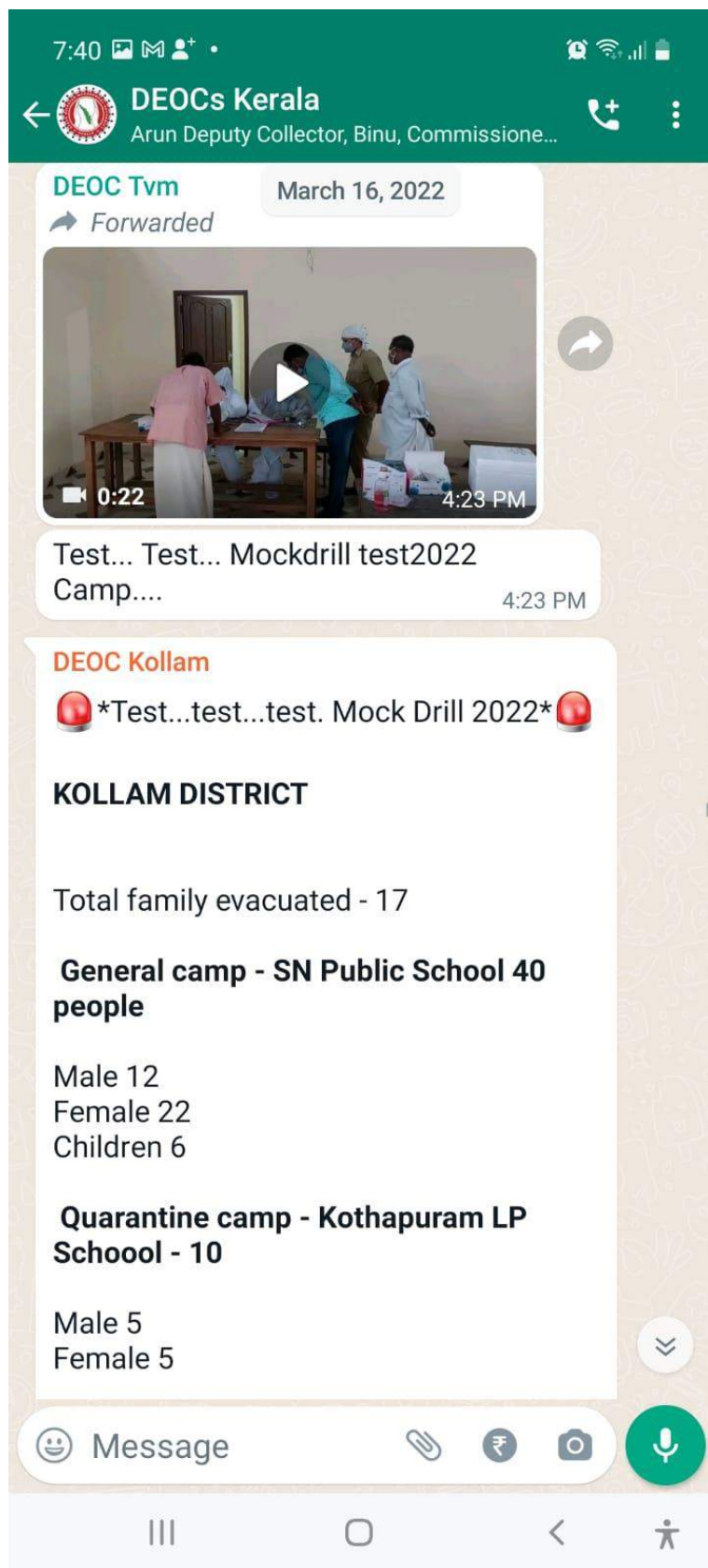








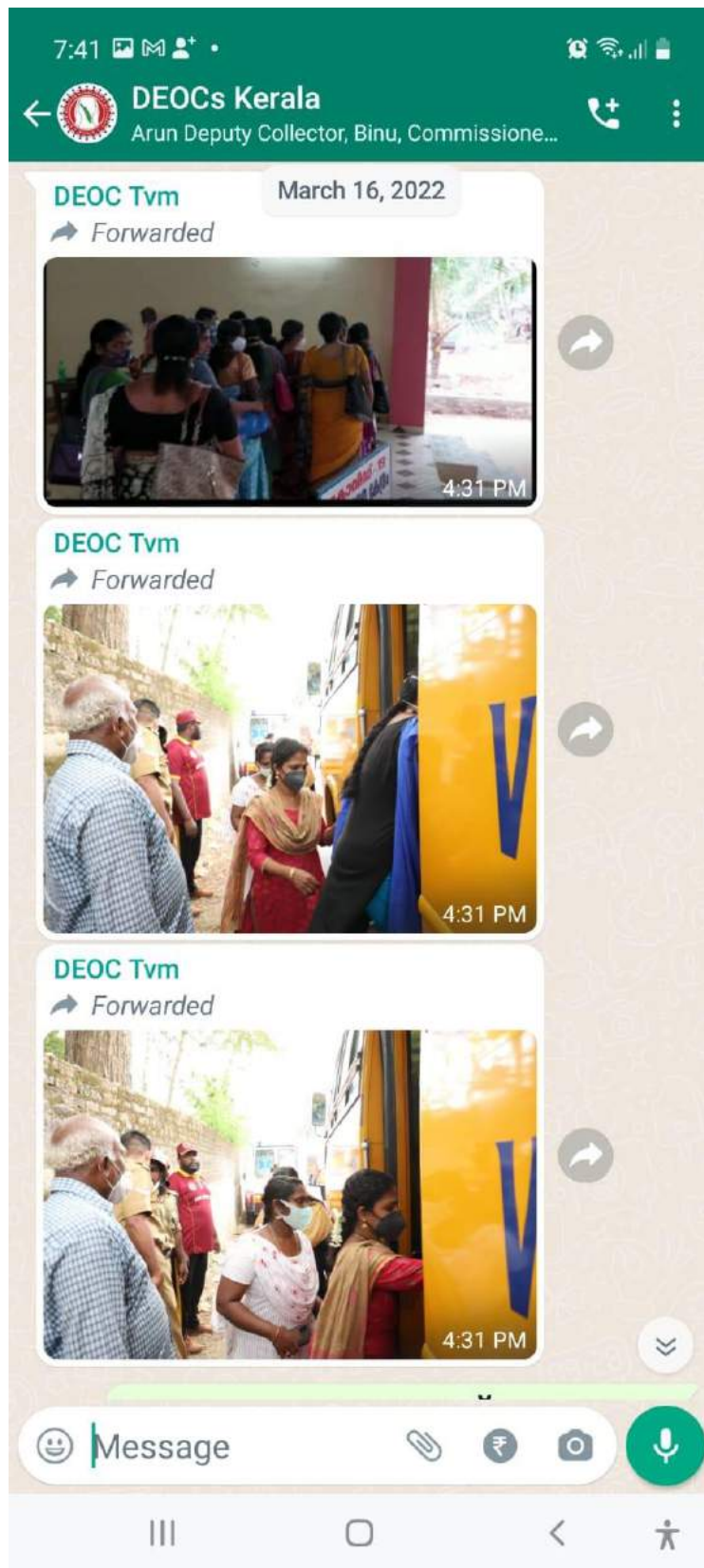




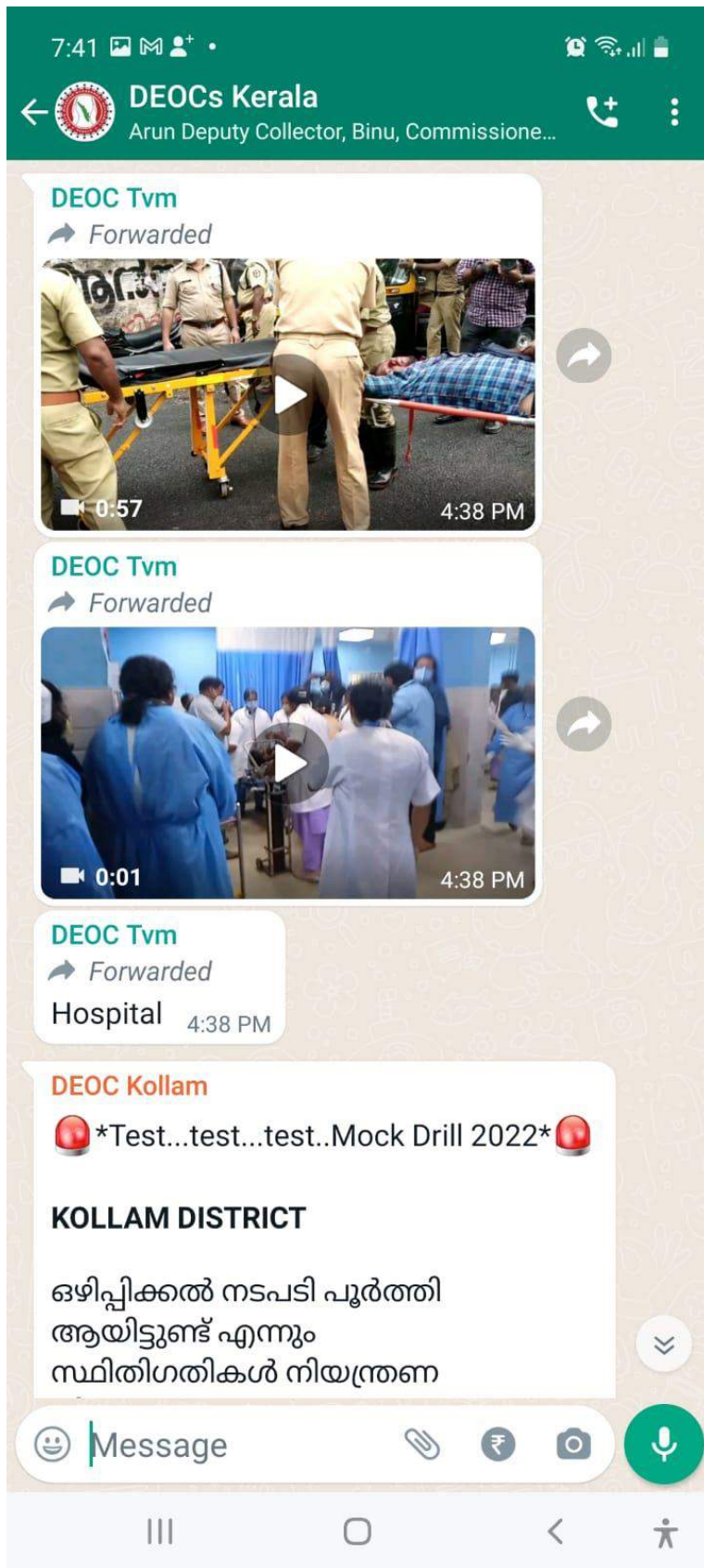




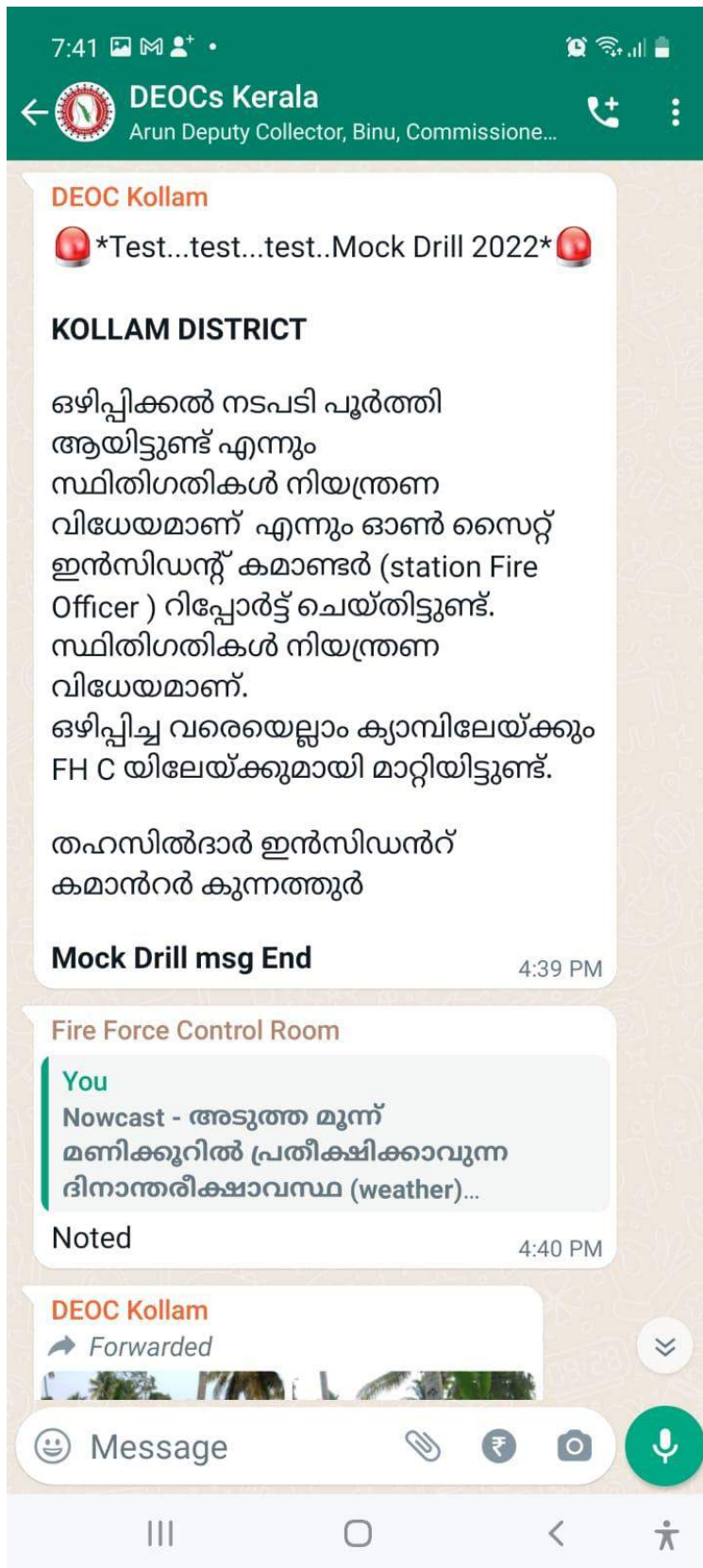




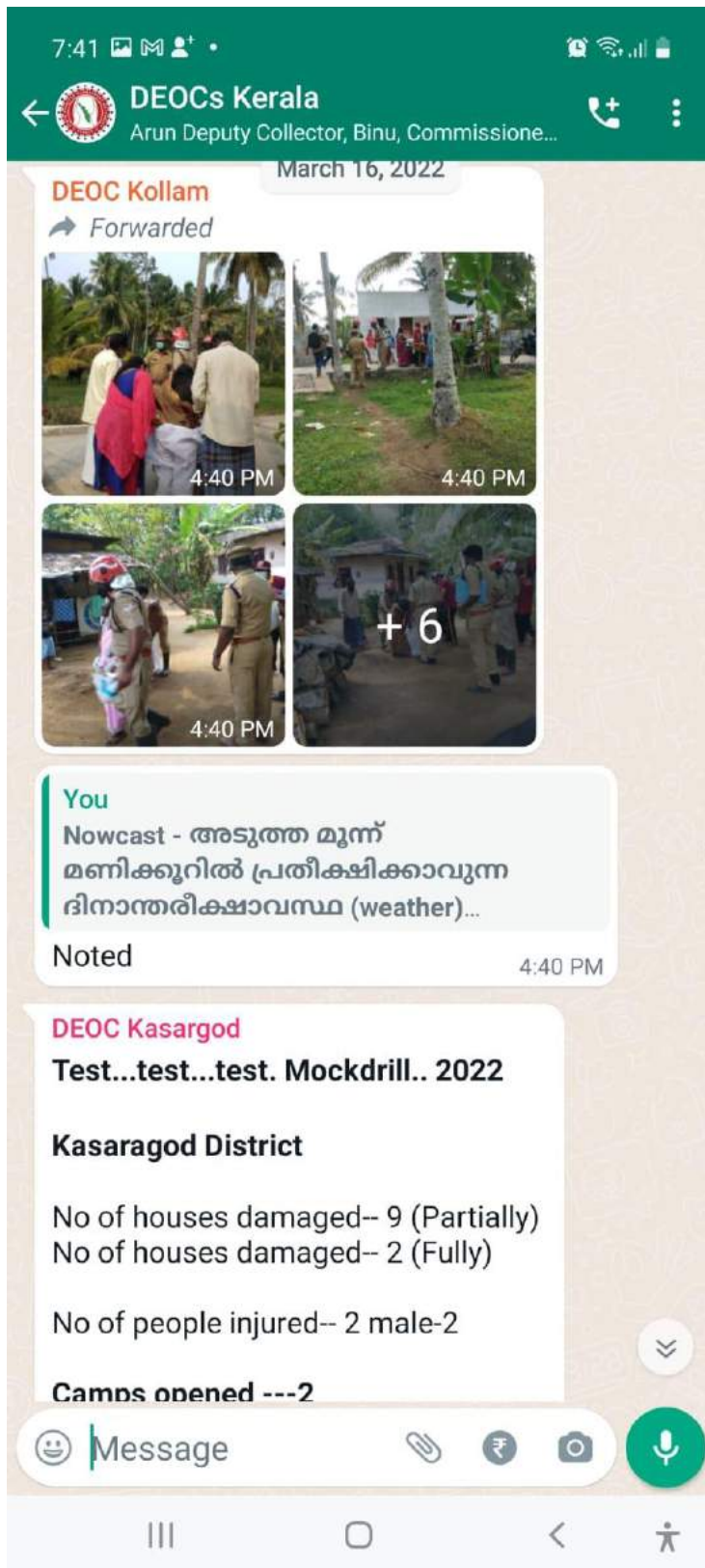












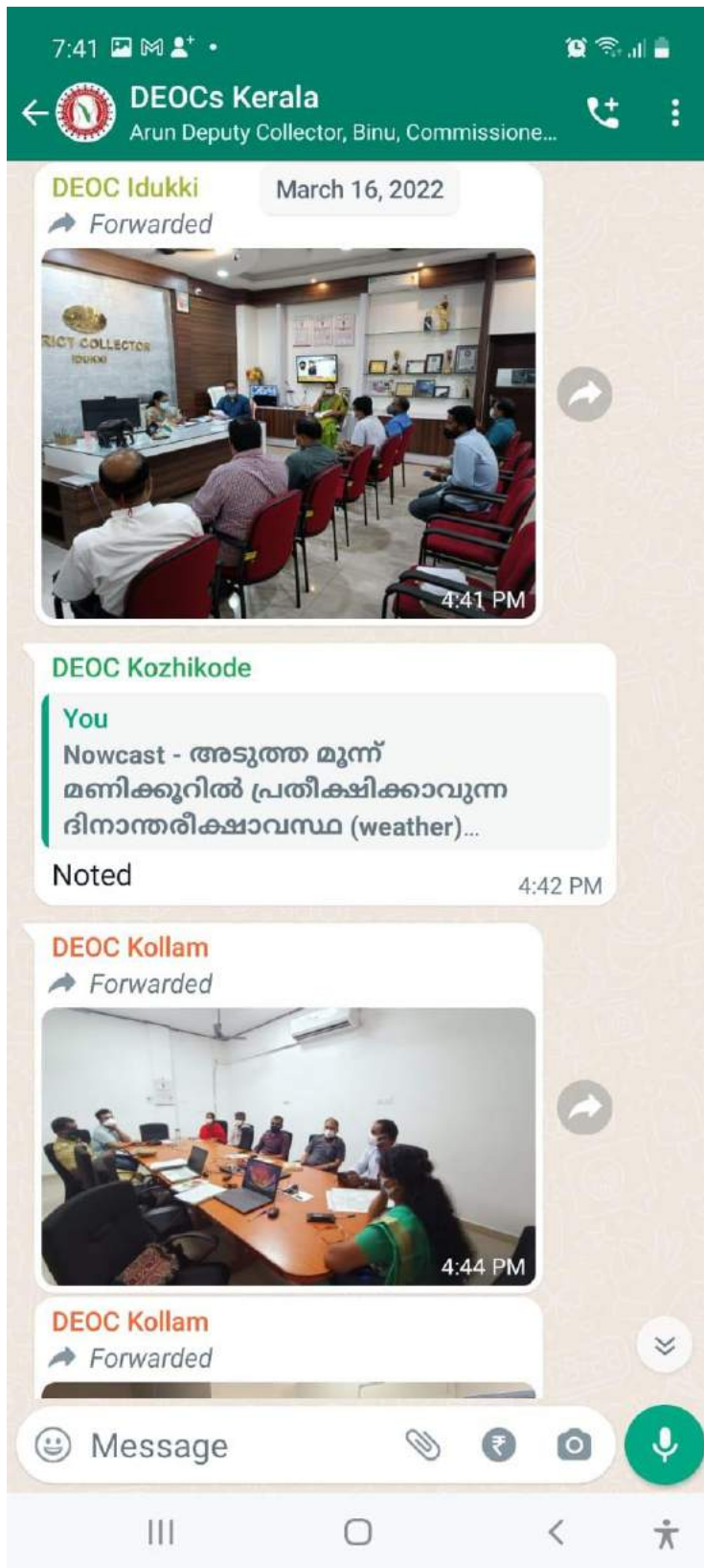




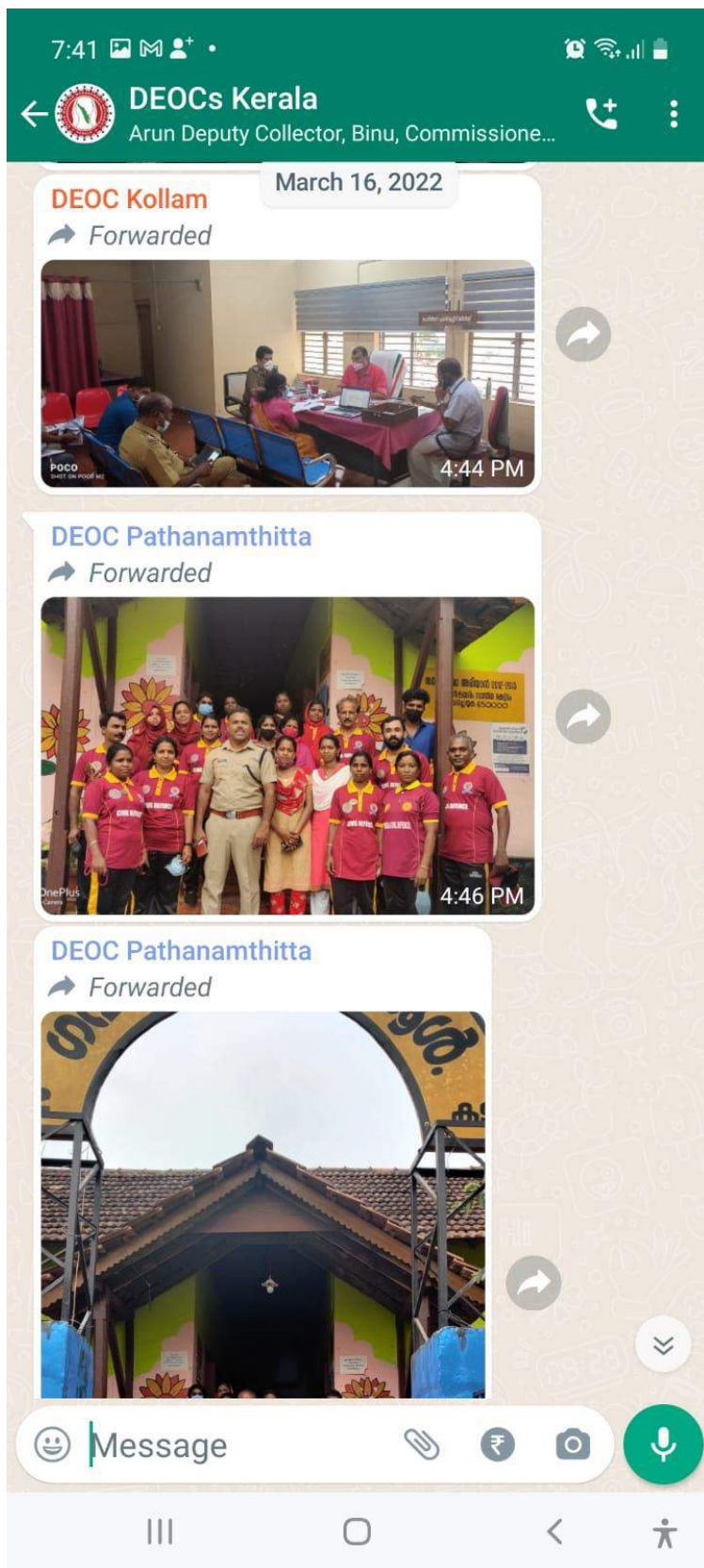




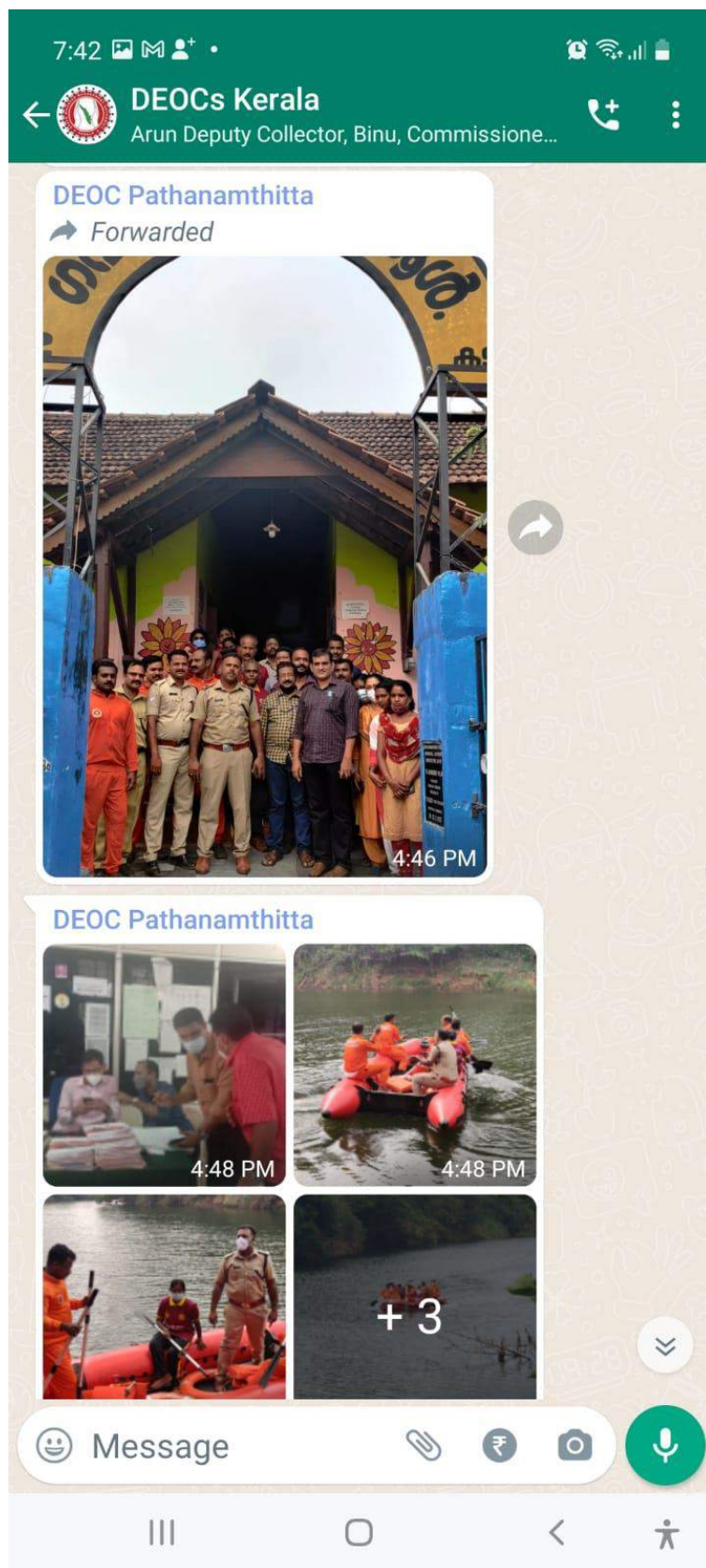




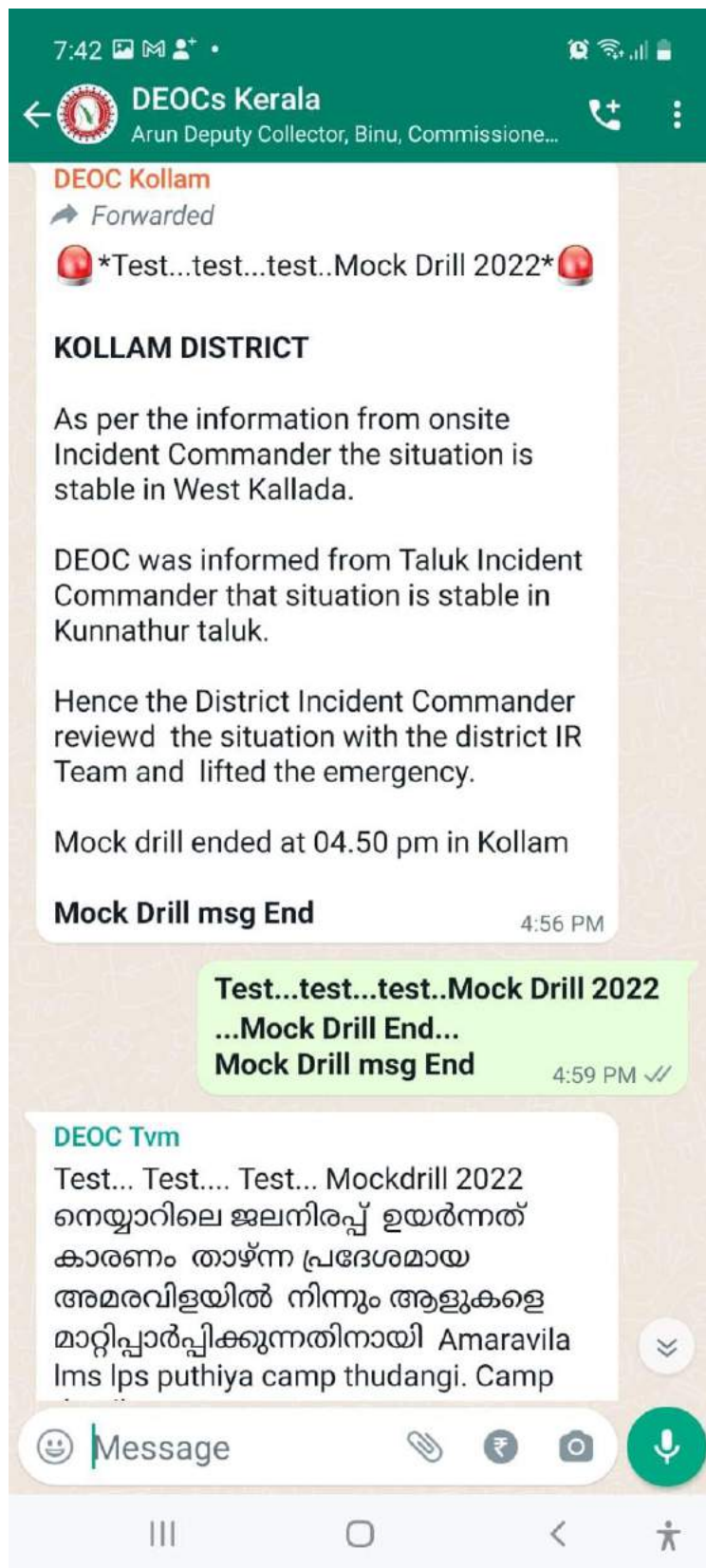




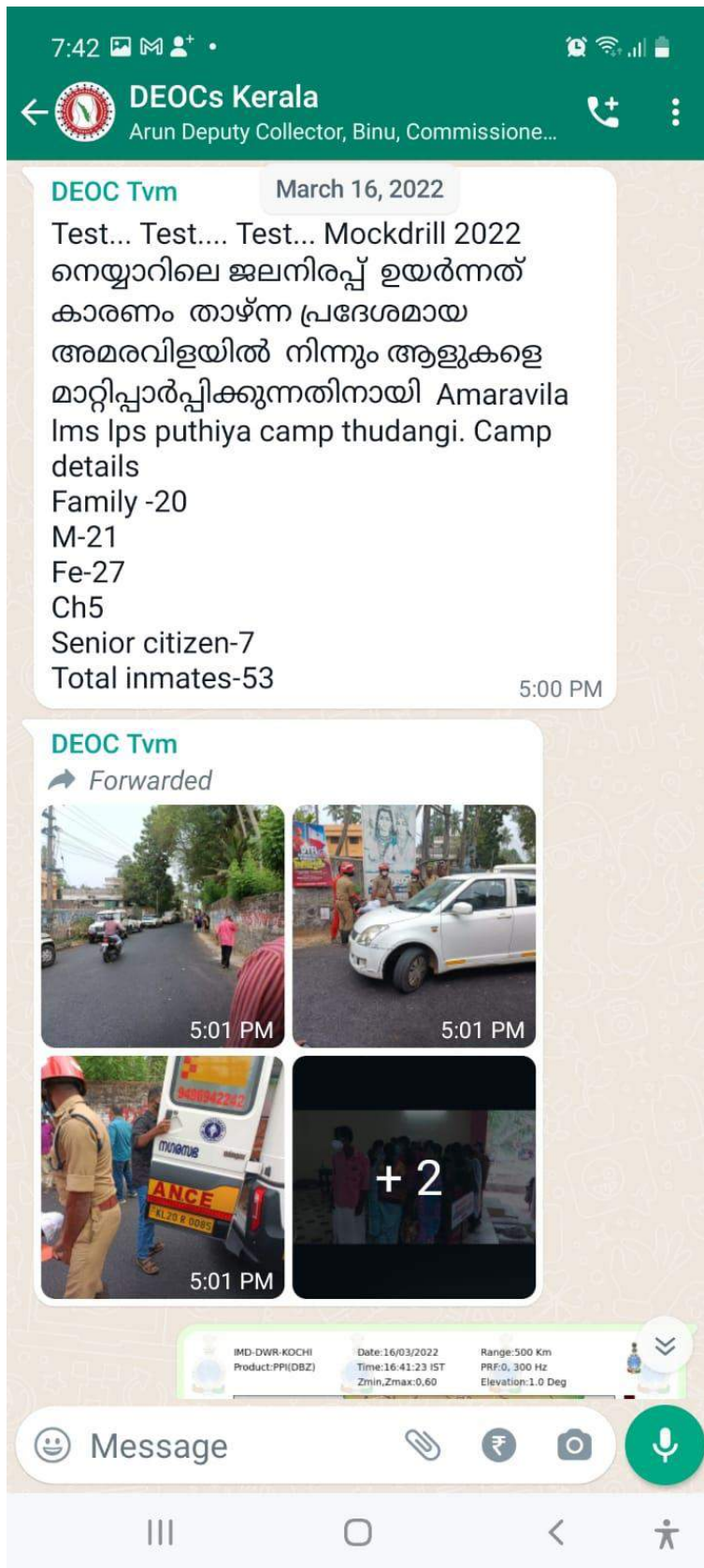




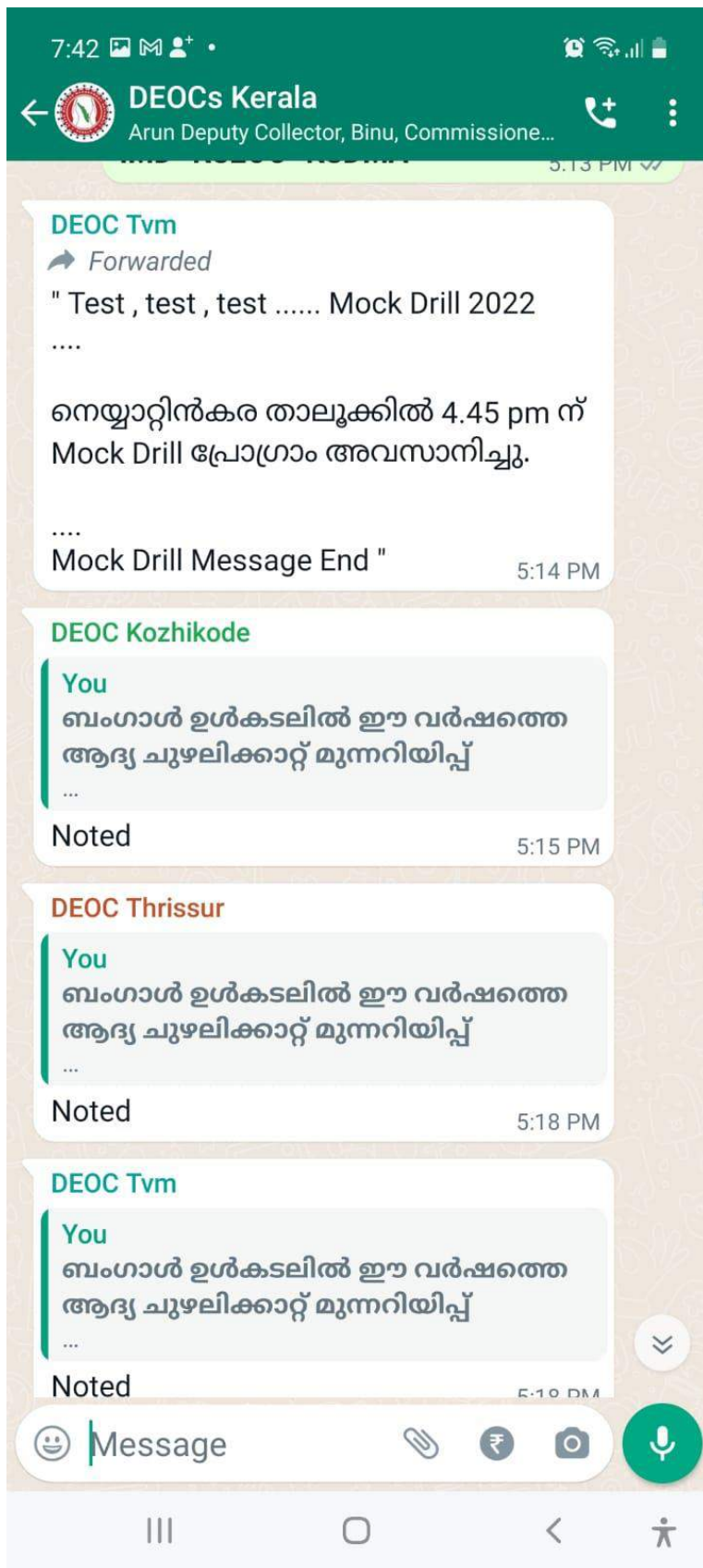




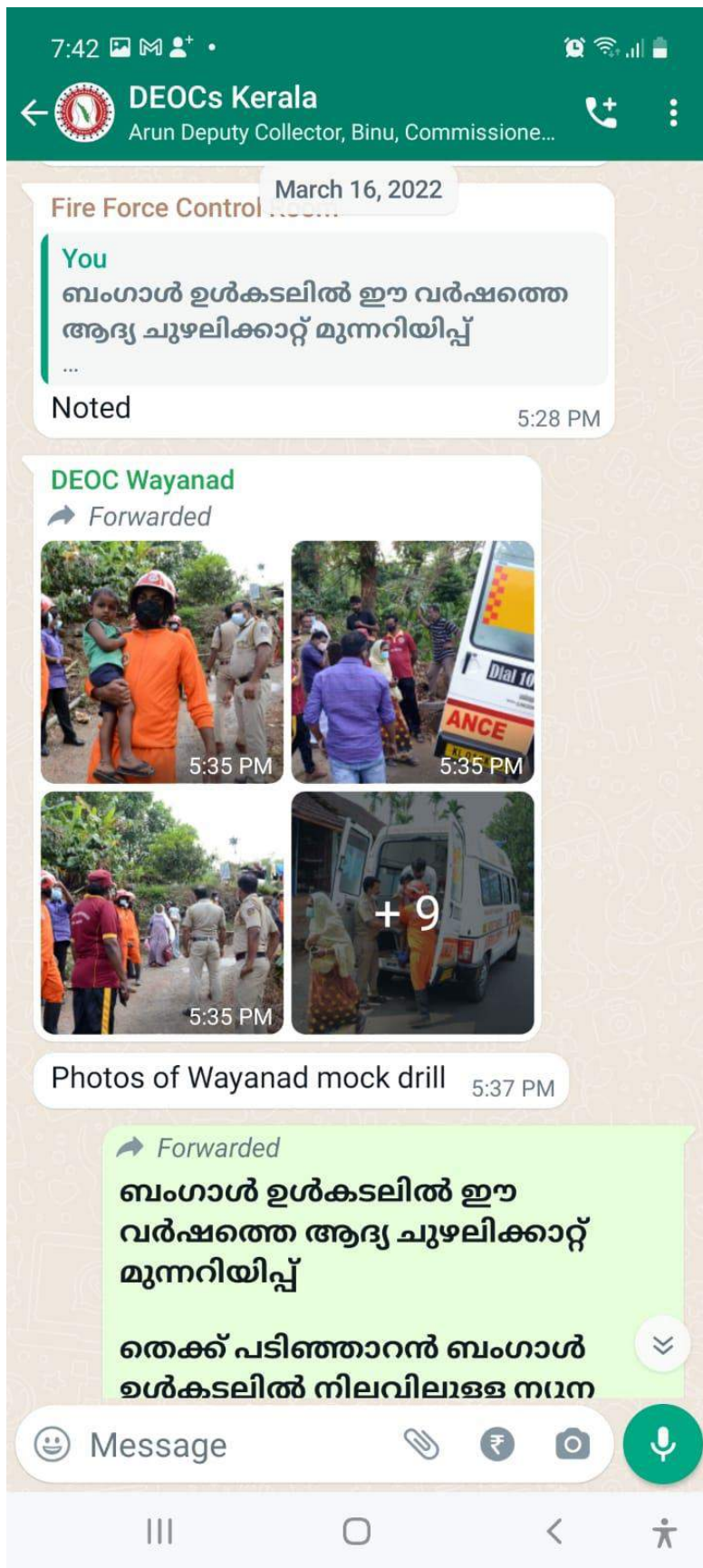






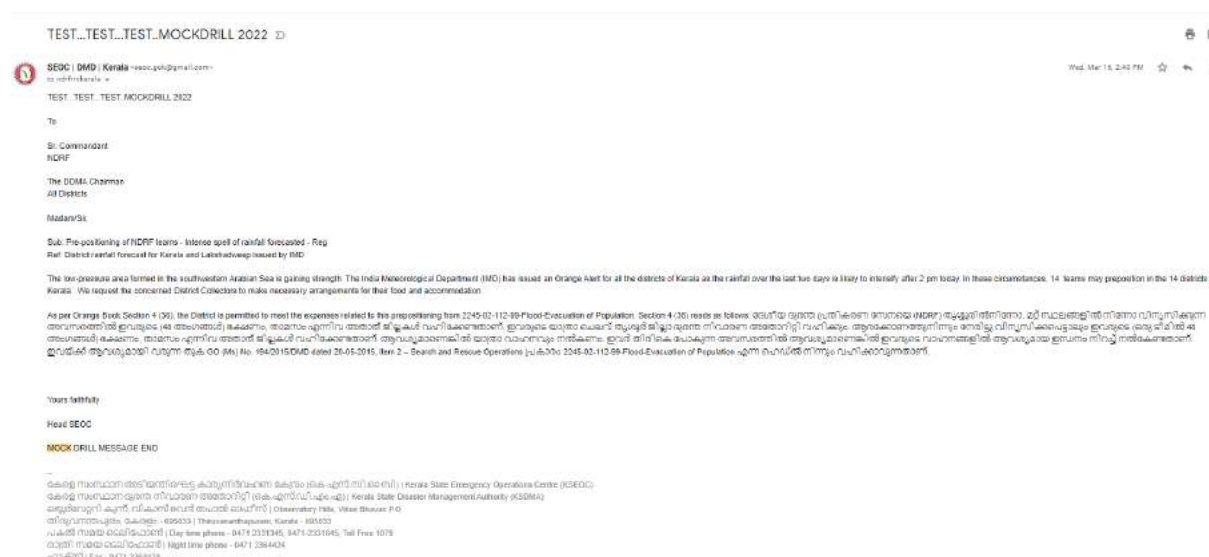








# Emails issued by SEOC





香 港

Wed, Mar 19, 2:36 PM

കേന്ദ്ര കാലാവസ്ഥാവിഭാഗത്തിന്റെ കണക്കനുസരിച്ച് 2014-15 മുതൽ 2016-17 വർഷത്തിൽ പ്രതീക്ഷിക്കുന്ന

[illegible]

உயர்நீதிமன்றத்தின் உத்தரவு மீறியதாக குற்றம்சாட்டுகிறது.

മുൻപത്തെ മേഖലയിലേക്കുള്ള സമൂഹീ സൗകര്യം പൂർണ്ണമായി മാറിയിരിക്കുക.

Wed, Mar 16, 2:26 PM  



Wed Mar 10, 3:27 PM ☆ 4

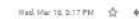
Wed, Mar 10, 12:23 PM ☆ 4





Koraks State Emergency Operations Centre (KSECOC),  
 Keral State Disaster Management Authority (KSDMA)  
 Emergency Response Unit, P.O. Box No. 608935  
 Thiruvananthapuram, Kerala - 695035  
 Day time phone - 0471 2321945, 2471 2321945; Toll Free 1079  
 Night time phone - 0471 2324424  
 Fax - 0471 2324424  
[www.sdma.kerala.gov.in](http://www.sdma.kerala.gov.in)

1



കേരള സംസ്ഥാന അതീവഗുരുതരമായ കാര്യങ്ങൾ കൈകാര്യം ചെയ്യുന്നതിനായി Kerala State Emergency Dispatch Centre (KSECOC) കേരള സംസ്ഥാന ഉദ്യമ നിയന്ത്രണ മേധാവിതവകുപ്പിന്റെ (KSEMD) കീഴിലായിട്ടുണ്ട്. (Kerala State Disaster Management Authority (KSDMA) ഔദ്യോഗികമായി കേരള സംസ്ഥാന അതീവഗുരുതരമായ കാര്യങ്ങൾ കൈകാര്യം ചെയ്യുന്നതിനായി Kerala State Emergency Dispatch Centre (KSECOC) ആവശ്യപ്പെടുന്നു. കേരളം - 855623 | Thiruvananthapuram, Kerala - 855633

കേരള നാളികര കേരള നാളികര | Day time phone - 0471 2331343, 0471 2331643, Toll free 1098  
നാളികര നാളികര കേരള നാളികര | Night time phone - 0471 236642  
ഫോൺ | Fax - 0471 236642  
ksecoc@ksecoc.org

[illegible]



## Independent Observer's report – Taluk

### Kerala State Wide Mock Drill, 16-3-2022

#### Observers Report Format – Taluk Emergency Operations Centre


The observer had to be present at TEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected

1	District and Taluk	Kollam, Kunnathoor	
2	Time of receiving the mock drill start message from DEOC	02.20pm on 16/03/2022 (Declared orange alert)	
3	First officer informed by TEOC	Hazard analysis fire officer	
4	Time of informing the first person by TEOC	02:40 pm on 16/03/2022	
5	Time of arrival of TIRT Member (Refer page 77 for Taluk Incident Response Team) in TEOC	02.20pm	
6	Response/action initiated by Taluk Incident Commander	Informed Fire officer, Panchayath President, Panchayath Secretary, Joint RTO, medical officer, IRS Team members	
7	Total persons present in the mock drill in TEOC	67	
8	TIRT Members present in DEOC (Refer page 77 for Taluk Incident Response Team)		
9	Number of civilians involved in the mock drill in the selected site as reported by the onsite teams		
10	Types of communication systems used between TEOC and Onsite Teams (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile	
11	Types of communication systems used between TEOC and DEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	mobile	
12	Time at which the TEOC was activated and onsite deployment of RRTs were directed	02.20 pm	
13	Time of field deployment of Onsite Response Teams as reported in TEOC	02.40 pm	
14	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Fire and Rescue, Police	
15	Did the DEOC send the Satellite Phone to the site of event and was it used in the field to contact any EOC; if yes which EOC did the field team contact using the satellite phone	No -	
16	What time did the Rapid Response Teams reach the site as reported at	F & R	02:45pm
		CD	02:45pm



	TEOC	LSG ERT	02:45pm
		Police	02:45pm
		Health	02:50pm
17	Did TIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why TIRT decided to request for NDRF or other Central Forces support	Not Reported	
18	Did TEOC scale up the actions and alert levels to Onsite when alert levels were raised by SEOC	02:50pm.	
19	What actions were additionally taken in light of the raised alert level	Not required	
20	Did TEOC refer to the Flood/Landslide map of the district	No	
21	Did TEOC access the IMD website		
22	Did TEOC access IDRN		
23	Did TEOC access NDEM		
24	Did TEOC contact DEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	Four times	
25	Does TEOC have a dedicated land phone and email	Yes	
26	Does TEOC have UPS backup and generator back up		
27	Are the desktops in the TEOC in working condition and does it have internet connection from two separate service providers	Yes	
28	Is there a conference area in the TEOC and if yes, did the TIRT meet in the conference area and discuss the response	Yes	
29	Did the TIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which TIRT members did contact the field officers	Yes	
30	Did the TIRT members and TEOC access the Orange Book 2021		
31	Please read section 4 (pages 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation and preparedness as laid therein was followed by the TIRT		
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if		



	the steps laid for each threat level color is followed by the TEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	
33	What time did the mock drill end	04:35 PM
34	Did the TIRT conduct a debriefing and if yes did all TIRT members and onsite responders attend (at least virtually)	yes
	Response time and Remarks for various activities	
35	Observations (including highlight the positives of the drill)	
	It is very good. The officers in various departments participated positively and can do effective preventive action. To include team not collected the exact damages in correct time. All details were collected through mobile	
36	Recommendations as an independent observer	
	All the field officers should connect with the control room through video call. Make a team to arrange maintenance tool and shelter in advance. (3) More vehicle to be arranged for the emergency	
37	Observers Name, Designation, Dept.	Signature
	P. Rajkumar DySP, Sarametta Police Department	
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)		





### Kerala State Wide Mock Drill, 16-3-2022

#### Observers Report Format – Taluk Emergency Operations Centre


*The observer had to be present at TEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District and Taluk	Thirissur, Chalakudy	
2	Time of receiving the mock drill start message from DEOC	2.35 PM, 16/03/2022	
3	First officer informed by TEOC	BDO. (Dy Incident Commander)	
4	Time of informing the first person by TEOC	2.36 PM	
5	Time of arrival of TIRT Member (Refer page 77 for Taluk Incident Response Team) in TEOC	BDO - 2.40 PM    RO - 2.35 PM F&R - 2.40 PM    LSC - 2.50 PM L.O - 2.41 PM    OSC - 2.51 PM G.O - 2.52 PM    IO - 3.05 PM	
6	Response/action initiated by Taluk Incident Commander Immediately after getting the message from DEOC, IC informed the TIRT members. Started meeting of TIRT members at 2.55 PM.		
7	Total persons present in the mock drill in TEOC	25	
8	TIRT Members present in DEOC (Refer page 77 for Taluk Incident Response Team)	6 members at the time of meeting at 2.55 PM	
9	Number of civilians involved in the mock drill in the selected site as reported by the onsite teams	50	
10	Types of communication systems used between TEOC and Onsite Teams (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile	
11	Types of communication systems used between TEOC and DEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Early Warning System	
12	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.35 PM	
13	Time of field deployment of Onsite Response Teams as reported in TEOC	2.40 PM	
14	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	All the teams present	
15	Did the DEOC send the Satellite Phone to the site of event and was it used in the field to contact any EOC; if yes which EOC did the field team contact using the satellite phone	No	
16	What time did the Rapid Response Teams reach the site as reported at TEOC	F & R	2.40 PM
		CD	2.40 PM
		LSG ERT	2.45 PM



		Police	2.45 PM
		Health	2.48 PM
17	Did TIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why TIRT decided to request for NDRF or other Central Forces support	Yes. Since the peringalkuth Dam was opened there was a massive flow of water and the water level raised rapidly inundating the area.	
18	Did TEOC scale up the actions and alert levels to Onsite when alert levels were raised by SEOC	Yes.	
19	What actions were additionally taken in light of the raised alert level	Mobilized all the forces and evacuation started	
20	Did TEOC refer to the Flood/Landslide map of the district	Yes	
21	Did TEOC access the IMD website	Yes	
22	Did TEOC access IDRN	Yes	
23	Did TEOC access NDEM	Yes	
24	Did TEOC contact DEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	7 times	
25	Does TEOC have a dedicated land phone and email	Yes	
26	Does TEOC have UPS backup and generator back up	Yes	
27	Are the desktops in the TEOC in working condition and does it have internet connection from two separate service providers	Yes	
28	Is there a conference area in the TEOC and if yes, did the TIRT meet in the conference area and discuss the response	Yes . Yes	
29	Did the TIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which TIRT members did contact the field officers	All the members of TIRT	
30	Did the TIRT members and TEOC access the Orange Book 2021	Yes	
31	Please read section 4 (pages 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation and preparedness as laid therein was followed by the TIRT	Yes. Flood SOP used in process	
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level	Not applicable	



	color is followed by the TEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	Not applicable
33	What time did the mock drill end	4.35 PM
34	Did the TIRT conduct a debriefing and if yes did all TIRT members and onsite responders attend (at least virtually)	Yes
Response time and Remarks for various activities		
35	Observations (including highlight the positives of the drill)	
	Mentioned below	
36	Recommendations as an independent observer	
	The RRT & ERT'S at the LSGD level should be activated and trained before the onset of monsoon.	
37	Observers Name, Designation, Dept.	Signature
	M.H. Harish Revenue Divisional Officer Irimjalakuda, Revenue Dept	 16/3/22
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)		

35. Response of TIRT was good. The activities carried out by the team members were proactive. Communications with the at on site response team of the respective departments were effective. The drill was a success as it induced confidence among the public and it could also send a message that government machineries are well prepared to face any calamities during the time of floods. It also served as a confident building measure.



### Kerala State Wide Mock Drill, 16-3-2022

#### Observers Report Format – Taluk Emergency Operations Centre


*The observer had to be present at TEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District and Taluk	Palakkad, Chittur Taluk
2	Time of receiving the mock drill start message from DEOC	2.17 PM, 16-03-2022
3	First officer informed by TEOC	Fire and Rescue Officer
4	Time of informing the first person by TEOC	2.20 PM
5	Time of arrival of TIRT Member (Refer page 77 for Taluk Incident Response Team) in TEOC	2.30 PM
6	Response/action initiated by Taluk Incident Commander Informed all concerned departments namely, Health, Fire & Rescue, Police, LSGD, KSEB, MVD	
7	Total persons present in the mock drill in TEOC	5
8	TIRT Members present in DEOC (Refer page 77 for Taluk Incident Response Team)	1
9	Number of civilians involved in the mock drill in the selected site as reported by the onsite teams	50-60
10	Types of communication systems used between TEOC and Onsite Teams (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile
11	Types of communication systems used between TEOC and DEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, Phone
12	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.25 PM
13	Time of field deployment of Onsite Response Teams as reported in TEOC	2.30 PM
14	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Health, LSGI ERT, Civil Defence, Fire Force, Police, Revenue officials
15	Did the DEOC send the Satellite Phone to the site of event and was it used in the field to contact any EOC; if yes which EOC did the field team contact using the satellite phone	No
16	What time did the Rapid Response Teams reach the site as reported at	F & R
		2.30 PM
		CD
		2.30 PM



	TEOC	LSG ERT	2.30 PM
		Police	2.30 PM
		Health	2.30 PM
17	Did TIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why TIRT decided to request for NDRF or other Central Forces support	No	
18	Did TEOC scale up the actions and alert levels to Onsite when alert levels were raised by SEOC	Yes	
19	What actions were additionally taken in light of the raised alert level	Alerted all TIRT members	
20	Did TEOC refer to the Flood/Landslide map of the district	No	
21	Did TEOC access the IMD website	No	
22	Did TEOC access IDRN	No	
23	Did TEOC access NDEM	No	
24	Did TEOC contact DEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	Yes, 10-15 times	
25	Does TEOC have a dedicated land phone and email	Yes	
26	Does TEOC have UPS backup and generator back up	Yes	
27	Are the desktops in the TEOC in working condition and does it have internet connection from two separate service providers	Yes	
28	Is there a conference area in the TEOC and if yes, did the TIRT meet in the conference area and discuss the response	Yes	
29	Did the TIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which TIRT members did contact the field officers	Yes	
30	Did the TIRT members and TEOC access the Orange Book 2021	Yes	
31	Please read section 4 (pages 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation and preparedness as laid therein was followed by the TIRT	Yes	
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if	Yes	



	the steps laid for each threat level color is followed by the TEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	
33	What time did the mock drill end	3.20 PM
34	Did the TIRT conduct a debriefing and if yes did all TIRT members and onsite responders attend (at least virtually)	Yes
	Response time and Remarks for various activities	
35	Observations (including highlight the positives of the drill)	
	All TIRT members actively participated in the rescue operation. Public participation and response was also very good. Timely action of various departments was a highlight of the mock drill.	
36	Recommendations as an independent observer	
	The TEOC requires modern communication equipments, search lights, ropes, rain coats, dinghies, cutting equipments etc for a more effective rescue operation.	
37	Observers Name, Designation, Dept.	Signature
	Sajeevan.M.K. Jr. Supdt., Taluk Office, Chittur	
The Observer may use more space. It is preferred that the format is digitally filled and send back to seoc.gok@gmail.com as word document (*.doc)		



**Kerala State Wide Mock Drill, 16-3-2022**

**Observers Report Format – Taluk Emergency Operations Centre**


*The observer had to be present at TEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District and Taluk	PATTHANAMTHITTA, ADUR
2	Time of receiving the mock drill start message from DEOC	2.25 PM
3	First officer informed by TEOC	VINOD KUMAR, FIRE FORCE
4	Time of informing the first person by TEOC	2.30 PM
5	Time of arrival of TIRT Member (Refer page 77 for Taluk Incident Response Team) in TEOC	
6	Response/action initiated by Taluk Incident Commander	Informed Fire force, Police, Health, L.S.G.D, Ponda V.O
7	Total persons present in the mock drill in TEOC	50 P
8	TIRT Members present in DEOC (Refer page 77 for Taluk Incident Response Team)	Yes
9	Number of civilians involved in the mock drill in the selected site as reported by the onsite teams	159.
10	Types of communication systems used between TEOC and Onsite Teams (Mobile, Satellite Phone, Email, Telephone, Police VHF)	mob, G
11	Types of communication systems used between TEOC and DEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	mob, G
12	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.25 PM
13	Time of field deployment of Onsite Response Teams as reported in TEOC	02.50 PM
14	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Health, L.S.G.D Fire & Rescue, Police Civil defence
15	Did the DEOC send the Satellite Phone to the site of event and was it used in the field to contact any EOC; if yes which EOC did the field team contact using the satellite phone	NO
16	What time did the Rapid Response Teams reach the site as reported at	F & R 15.08 PM, CD 15.08 PM



	TEOC	LSG ERT	15.02 PM
		Police	15.15 PM
		Health	15.03 PM
17	Did TIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why TIRT decided to request for NDRF or other Central Forces support	YES, more people to be evacuated	
18	Did TEOC scale up the actions and alert levels to Onsite when alert levels were raised by SEOC	yes	
19	What actions were additionally taken in light of the raised alert level	Camps were opened	
20	Did TEOC refer to the Flood/Landslide map of the district	yes	
21	Did TEOC access the IMD website	YES	
22	Did TEOC access IDRN	NO	
23	Did TEOC access NDEM	NO	
24	Did TEOC contact DEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	YES	
25	Does TEOC have a dedicated land phone and email	YES	
26	Does TEOC have UPS backup and generator back up	YES	
27	Are the desktops in the TEOC in working condition and does it have internet connection from two separate service providers	-	
28	Is there a conference area in the TEOC and if yes, did the TIRT meet in the conference area and discuss the response	YES, In open space available at site	
29	Did the TIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which TIRT members did contact the field officers	YES	
30	Did the TIRT members and TEOC access the Orange Book 2021	yes	
31	Please read section 4 (pages 73-107) of the Orange Book 2021 - Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation and preparedness as laid therein was followed by the TIRT	yes	
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 - SOPs and Emergency Supports Functions Plan and remark if	yes	



	the steps laid for each threat level color is followed by the TEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	
33	What time did the mock drill end	3.30 PM
34	Did the TIRT conduct a debriefing and if yes did all TIRT members and onsite responders attend (at least virtually)	YES
	Response time and Remarks for various activities	
35	Observations (including highlight the positives of the drill)	
	The mock drill was very well conducted	
36	Recommendations as an independent observer	
37	Observers Name, Designation, Dept.	Signature
	Sankar Sekhar Agricultural Officer Kochi Division Thonnakkor	
The Observer may use more space. It is preferred that the format is digitally filled and send back to seoc.gok@gmail.com as word document (*.doc)		



**Kerala State Wide Mock Drill, 16-3-2022**

**Observers Report Format – Taluk Emergency Operations Centre**


*The observer had to be present at TEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District and Taluk	Kasaragod , Hosdurg Taluk	
2	Time of receiving the mock drill start message from DEOC	2.15 P.M	
3	First officer informed by TEOC	SHO, Coastal police station & onsite	
4	Time of informing the first person by TEOC	2.17 P.M	
5	Time of arrival of TIRT Member (Refer page 77 for Taluk Incident Response Team) in TEOC	1.45 PM (Already present)	
6	Response/action initiated by Taluk Incident Commander	Direction given to the concerned officers (Police, F & R, Health, Revenue (village officers))	
7	Total persons present in the mock drill in TEOC	5+12	
8	TIRT Members present in DEOC (Refer page 77 for Taluk Incident Response Team)	NA	
9	Number of civilians involved in the mock drill in the selected site as reported by the onsite teams	About 70 members	
10	Types of communication systems used between TEOC and Onsite Teams(Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile & VHF	
11	Types of communication systems used between TEOC and DEOC(Mobile, Satellite Phone, Email, Telephone, Police VHF)	Telephone & Email and mobile	
12	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.24 PM - Activation Time	
13	Time of field deployment of Onsite Response Teams as reported in TEOC	Informed SHO Coastal police station	
14	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Health, LSGD, police F & R, 'village' officers	
15	Did the DEOC send the Satellite Phone to the site of event and was it used in the field to contact any EOC; if yes which EOC did the field team contact using the satellite phone	NO	
16	What time did the Rapid Response Teams reach the site as reported at	F & R CD	2.17 2.18



	TEOC	LSG ERT	2.18
		Police	2.19
		Health	2.19
17	Did TIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why TIRT decided to request for NDRF or other Central Forces support	No	
18	Did TEOC scale up the actions and alert levels to Onsite when alert levels were raised by SEOC	Yes	
19	What actions were additionally taken in light of the raised alert level	A relief camp has been opened and it has been decided to start a additional relief camp	
20	Did TEOC refer to the Flood/Landslide map of the district	Yes	
21	Did TEOC access the IMD website	Yes	
22	Did TEOC access IDRN	Yes	
23	Did TEOC access NDEM	Yes	
24	Did TEOC contact DEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	Yes	
25	Does TEOC have a dedicated land phone and email	Yes	
26	Does TEOC have UPS backup and generator back up	Yes	
27	Are the desktops in the TEOC in working condition and does it have internet connection from two separate service providers	Yes	
28	Is there a conference area in the TEOC and if yes, did the TIRT meet in the conference area and discuss the response	Yes, Yes meeting held	
29	Did the TIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which TIRT members did contact the field officers	Yes Tahsildar & Incidentel commander	
30	Did the TIRT members and TEOC access the Orange Book 2021	Yes	
31	Please read section 4 (pages 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation and preparedness as laid therein was followed by the TIRT	All applicable steps relevant to the situation were implemented and data collected	
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if	Yes	



	the steps laid for each threat level color is followed by the TEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	
33	What time did the mock drill end	4.40 pm
34	Did the TIRT conduct a debriefing and if yes did all TIRT members and onsite responders attend (at least virtually)	Yes Yes
	Response time and Remarks for various activities	
35	Observations (including highlight the positives of the drill)	
	The performance of TEOC is absolutely commendable. If there is a crisis like this, there is every possibility of taking it perfectly	
36	Recommendations as an independent observer	
	TEOC performs systematically in times of crisis.	
37	Observers Name, Designation, Dept.	Signature
	Sreekala R Senior Superintendent o/o the Sub Collector Kanhagad (Land Revenue Dept)	 16/6/22 Senior Superintendent Revenue Divisional Office Kanhagad
The Observer may use more space. It is preferred that the format is digitally signed and sent back to seoc.gok@gmail.com as word document (*.doc)		



**Kerala State Wide Mock Drill, 16-3-2022**

**Observers Report Format – Taluk Emergency Operations Centre**


*The observer had to be present at TEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District and Taluk	Idukki Idukki	
2	Time of receiving the mock drill start message from DEOC	2.25 PM	
3	First officer informed by TEOC	Police	
4	Time of informing the first person by TEOC	2.25 PM	
5	Time of arrival of TIRT Member (Refer page 77 for Taluk Incident Response Team) in TEOC	2.10 PM	
6	Response/action initiated by Taluk Incident Commander  Taluk Incident Commander conveyed the information to all TIRT members		
7	Total persons present in the mock drill in TEOC	9	
8	TIRT Members present in DEOC (Refer page 77 for Taluk Incident Response Team)	6	
9	Number of civilians involved in the mock drill in the selected site as reported by the onsite teams		
10	Types of communication systems used between TEOC and Onsite Teams (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, Telephone Police VHF	
11	Types of communication systems used between TEOC and DEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, Telephone Police VHF	
12	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.30 PM	
13	Time of field deployment of Onsite Response Teams as reported in TEOC	2.32 PM	
14	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	All teams are present	
15	Did the DEOC send the Satellite Phone to the site of event and was it used in the field to contact any EOC; if yes which EOC did the field team contact using the satellite phone	No	
16	What time did the Rapid Response Teams reach the site as reported at	F & R	3.10 PM
		CD	3.10 PM



	TEOC	LSG ERT	3.10 PM
		Police	3.10 PM
		Health	3.10 PM
17	Did TIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why TIRT decided to request for NDRF or other Central Forces support	Yes. Place of calamity is not in an easy easily accessible area	
18	Did TEOC scale up the actions and alert levels to Onsite when alert levels were raised by SEOC	Yes. request sent to DROC for the service of NDRF	
19	What actions were additionally taken in light of the raised alert level	Requested the assistance of Army and ERT	
20	Did TEOC refer to the Flood/Landslide map of the district	Yes	
21	Did TEOC access the IMD website	Yes	
22	Did TEOC access IDRN	Yes	
23	Did TEOC access NDEM	Yes	
24	Did TEOC contact DEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	Yes	
25	Does TEOC have a dedicated land phone and email	Yes	
26	Does TEOC have UPS backup and generator back up	Yes	
27	Are the desktops in the TEOC in working condition and does it have internet connection from two separate service providers	Yes	
28	Is there a conference area in the TEOC and if yes, did the TIRT meet in the conference area and discuss the response	Yes	
29	Did the TIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which TIRT members did contact the field officers	Yes Fire & Rescue	
30	Did the TIRT members and TEOC access the Orange Book 2021	Yes	
31	Please read section 4 (pages 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation and preparedness as laid therein was followed by the TIRT	Yes	
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if		



	the steps laid for each threat level color is followed by the TEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	Yes
33	What time did the mock drill end	4.20 PM
34	Did the TIRT conduct a debriefing and if yes did all TIRT members and onsite responders attend (at least virtually)	Yes
	Response time and Remarks for various activities	
35	Observations (including highlight the positives of the drill)	
	53 persons were evacuated and rehabilitated at 2 camps. At the event of landslide, 11 persons were rescued. Out of which 2 persons died and 9 persons were hospitalised.	
36	Recommendations as an independent observer	
	All the teams of TIRT were present at the site. The TIRT actively contacted the onsite response team leaders of their respective departments and verified the rescue operations. They did their duty in a systematic manner and deserves appreciation.	
37	Observers Name, Designation, Dept.	Signature
	Geetha Kumari K Dy. Collector (L&D) Tdukki	
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)		



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## Kerala State Wide Mock Drill, 16-3-2022

## Observers Report Format – Taluk Emergency Operations Centre

The observer had to be present at TEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected

1	District and Taluk	Kannur Dist, Thalassery Taluk	
2	Time of receiving the mock drill start message from DEOC	2.40pm	
3	First officer informed by TEOC	V.O. Sranholi & all remaining villages	
4	Time of informing the first person by TEOC	2.43pm	
5	Time of arrival of TIRT Member (Refer page 77 for Taluk Incident Response Team) in TEOC	3pm	
6	Response/action initiated by Taluk Incident Commander	Incident Response System in Thalassery Taluk under the supervision of designated responsible officers i.e. Sub Collector, Incident commander i.e. Tahsildar and the adequate members of response team.	
7	Total persons present in the mock drill in TEOC	60 approximate	
8	TIRT Members present in DEOC (Refer page 77 for Taluk Incident Response Team)	TIRT members comprised of 10 members including responsible officers i.e. Sub Collector & Incident Commander.	
9	Number of civilians involved in the mock drill in the selected site as reported by the onsite teams	29	
10	Types of communication systems used between TEOC and Onsite Teams (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile Phone, Land Phone & email	
11	Types of communication systems used between TEOC and DEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile Phone, Land Phone & email	
12	Time at which the TEOC was activated and onsite deployment of RRTs were directed	3.10pm	
13	Time of field deployment of Onsite Response Teams as reported in TEOC	3.20pm	
14	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Health, LSGD, Police Fire & Rescue, Motor Vehicle Dept.	
15	Did the DEOC send the Satellite Phone to the site of event and was it used in the field to contact any EOC; if yes which EOC; did the field team contact using the satellite phone	No.	
16	What time did the Rapid Response Teams reach the site as reported at TEOC	F & R	3.15 pm
		CD	
		LSG ERT	3.16 pm

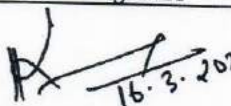
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		Police	3.16 pm
		Health	3.17 pm
17	Did TIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why TIRT decided to request for NDRF or other Central Forces support	No	
18	Did TEOC scale up the actions and alert levels to Onsite when alert levels were raised by SEOC	Rescue operations performed	
19	What actions were additionally taken in light of the raised alert level	Rescue operations done for two persons drowned	
20	Did TEOC refer to the Flood/Landslide map of the district	Yes	
21	Did TEOC access the IMD website	Yes	
22	Did TEOC access IDRN	No	
23	Did TEOC access NDEM	No	
24	Did TEOC contact DEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	10 times frequently contacted DEOC	
25	Does TEOC have a dedicated land phone and email	Yes	
26	Does TEOC have UPS backup and generator back up	seen that sufficient ups backup, generator available is not working.	
27	Are the desktops in the TEOC in working condition and does it have internet connection from two separate service providers	Yes	
28	Is there a conference area in the TEOC and if yes, did the TIRT meet in the conference area and discuss the response	Yes	
29	Did the TIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which TIRT members did contact the field officers	Yes	
30	Did the TIRT members and TEOC access the Orange Book 2021	Orange Book for the year 2020 prepared, instruction given for the year 2021.	
31	Please read section 4 (pages 73-107) of the Orange Book 2021 - Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation and preparedness as laid therein was followed by the TIRT	Actions were carried out as per the applicable guide lines for evacuation.	
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 - SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level	N.A	

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	color is followed by the TEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	
33	What time did the mock drill end	3.40 pm
34	Did the TIRT conduct a debriefing and if yes did all TIRT members and onsite responders attend (at least virtually)	Yes
	Response time and Remarks for various activities	
35	Observations (including highlight the positives of the drill)	
	Incident Response System in Thalassery Taluk with the proper supervision of Sub Collector, Thalassery as responsible officer carried out the rescue operations in a disciplined manner.	
36	Recommendations as an independent observer	
	Communication System and co-ordination among the Team to be strengthened	
37	Observers Name, Designation, Dept.	Signature
	SANIL KUMAR.S DEPUTY COLLECTOR - (RR) COLLECTORATE, KANNUR	 16.3.2022
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)		

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# TEOC, NTA

Kerala State Wide Mock Drill, 16-3-2022

## Observers Report Format – Taluk Emergency Operations Centre

The observer had to be present at TEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected

1	District and Taluk	Thiruvananthapuram, Neyyattinkara
2	Time of receiving the mock drill start message from DEOC	2:20 pm orange alert
3	First officer informed by TEOC	Incident Commander & Tahsildar, NTA
4	Time of informing the first person by TEOC	2:20 pm
5	Time of arrival of TIRT Member (Refer page 77 for Taluk Incident Response Team) in TEOC	01:45 pm (already present)
6	Response/action initiated by Taluk Incident Commander	Telephone calls made to Village officer, SHO, NTA, Fireforce, Municipal Secretary and DMO, General Hospital, NTA. Messages given between 2:23 pm and 2:35 pm. Palakad, Rameshwaram site of flooding.
7	Total persons present in the mock drill in TEOC	6 persons + IT
8	TIRT Members present in DEOC (Refer page 77 for Taluk Incident Response Team)	Motor vehicle Dept representative NV Inspector.
9	Number of civilians involved in the mock drill in the selected site as reported by the onsite teams	Palakad in Rameshwaram was the location. 50 numbers.
10	Types of communication systems used between TEOC and Onsite Teams (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile phone (dedicated mobile) 9497711281 (TEOC number)
11	Types of communication systems used between TEOC and DEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile phone (dedicated mobile) 9497711281 (TEOC number)
12	Time at which the TEOC was activated and onsite deployment of RRTs were directed	02:23 pm - activation time 02:25 pm OSC was given info.
13	Time of field deployment of Onsite Response Teams as reported in TEOC	Informal SHO, NTA @ 02:25 pm. (Op. Sec. chg)
14	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Village officer, Neyyattinkara, Police, Fireforce, health, Municipality and panchayat officials. Information officer also present.
15	Did the DEOC send the Satellite Phone to the site of event and was it used in the field to contact any EOC; if yes which EOC did the field team contact using the satellite phone	not available
16	What time did the Rapid Response Teams reach the site as reported at TEOC	F & R 02:26 pm, CD 02:24 pm, LSG ERT (Municipality) 02:35 pm -



		Police	02:24 pm.
		Health	02:47 pm.
17	Did TIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why TIRT decided to request for NDRF or other Central Forces support.	Nil.	
18	Did TEOC scale up the actions and alert levels to Onsite when alert levels were raised by SEOC	Yes. relevant to orange alert at 2nd site at Amaravila.	
19	What actions were additionally taken in light of the raised alert level	No TEOC discussion was there.	
20	Did TEOC refer to the Flood/Landslide map of the district	No	
21	Did TEOC access the IMD website	No	
22	Did TEOC access IDRN	No	
23	Did TEOC access NDEM	No	
24	Did TEOC contact DEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	Once.	
25	Does TEOC have a dedicated land phone and email	0471/2222227 taksildarneyyallinkara123@gmail.com	
26	Does TEOC have UPS backup and generator back up	Yes. Generator at present not working	
27	Are the desktops in the TEOC in working condition and does it have internet connection from two separate service providers	Yes. Two desktops in working condition. Internet connection of BSNL only.	
28	Is there a conference area in the TEOC and if yes, did the TIRT meet in the conference area and discuss the response	Yes. A small hall is available. Yes. meetings held.	
29	Did the TIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which TIRT members did contact the field officers	2 Ambulances and 2 tipper lorry, 2 school bus, a mini lorry for transporting boat was arranged by HSE, and sent to Site of flooding & hospital. Yes kept in contact.	
30	Did the TIRT members and TEOC access the Orange Book 2021	Yes.	
31	Please read section 4 (pages 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation and preparedness as laid therein was followed by the TIRT	All applicable steps relevant to the situation were implemented and data collected.	
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level color	Yes.	



	is followed by the TEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	
33	What time did the mock drill end	03.15pm, Data Collection
34	Did the TIRT conduct a debriefing and if yes did all TIRT members and onsite responders attend (at least virtually)	Completed at 4:45pm Yes. In the presence of Chairperson, DDMA & DC, NM.
	Response time and Remarks for various activities	
35	Observations (including highlight the positives of the drill)	Neyyattinkara taluk has long experience with flooding. Chavkal, Neyyattinkara, Kothayil, Kavinjankulam villages are flood prone areas. TEOC performs systematically in times of crisis. The officials have experience meeting flood situation and is coordinating various departments. This was evident today.
36	Recommendations as an independent observer	The TEOC has only one dedicated phone which is inadequate to meet the disaster response. No separate landline, geo-mail id is available at NM TEOC. Field operations need communication devices to operate simultaneously from different villages.
37	Observers Name, Designation, Dept.	Signature
	JACOB SANJAY JOHN Deputy Collector (LA) & Executive Magistrate Collectorate Thiruvananthapuram	16/03/2022

The Observer may use more space. It is preferred that the form is digitally filled and send back to [seoc.gok@gmail.com](mailto:seoc.gok@gmail.com) as word document.



**Kerala State Wide Mock Drill, 16-3-2022**

**Observers Report Format – Taluk Emergency Operations Centre**

*The observer had to be present at TEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District and Taluk	Kozhikode District, Kozhikode Taluk
2	Time of receiving the mock drill start message from DEOC	2.20 PM
3	First officer informed by TEOC	Tahsildar, Kozhikode
4	Time of informing the first person by TEOC	2.20 PM – Village Officer
5	Time of arrival of TIRT Member (Refer page 77 for Taluk Incident Response Team) in TEOC	2.20 PM – 6 members present
6	Response/action initiated by Taluk Incident Commander 1. Instruction given to Village Officer to proceed to Kannadikkal 2. Contacted DEOC 3. Instruction given to start emergency camp 4. Nearest Village Officers were informed	
7	Total persons present in the mock drill in TEOC	150
8	TIRT Members present in DEOC (Refer page 77 for Taluk Incident Response Team)	7, Medical, BDO, Taluk staff, Fire and Rescue,
9	Number of civilians involved in the mock drill in the selected site as reported by the onsite teams	50
10	Types of communication systems used between TEOC and Onsite Teams (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile phone
11	Types of communication systems used between TEOC and DEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Telephone and mobile phone
12	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.20 PM
13	Time of field deployment of Onsite Response Teams as reported in TEOC	2.25 PM
14	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Fire and Rescue, Revenue team, Health, Police, LSGD, Civil Defense-Govt.ERTs
15	Did the DEOC send the Satellite Phone to the site of event and was it used in the field to contact any EOC; if yes which EOC did the field team contact using the satellite phone	No
16	What time did the Rapid Response Teams reach the site as reported at TEOC	F & R 2.20 PM
		CD 2.20 PM
		LSG ERT 2.20 PM



		Police	2.20 PM
		Health	2.20 PM
17	Did TIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why TIRT decided to request for NDRF or other Central Forces support	No	
18	Did TEOC scale up the actions and alert levels to Onsite when alert levels were raised by SEOC	Yes	
19	What actions were additionally taken in light of the raised alert level	Camps started at Silver Hills HSS. Evacuated 43 persons & 2 persons hospitalized and 2 persons are Covid positive.	
20	Did TEOC refer to the Flood/Landslide map of the district	Yes – Vengeri village – Kannadikkal Vadakke Vayal	
21	Did TEOC access the IMD website	No	
22	Did TEOC access IDRN	No	
23	Did TEOC access NDEM	No	
24	Did TEOC contact DEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	3 times	
25	Does TEOC have a dedicated land phone and email	Yes	
26	Does TEOC have UPS backup and generator back up	Yes, UPS back up. No generator back up	
27	Are the desktops in the TEOC in working condition and does it have internet connection from two separate service providers	Installation process to be completed	
28	Is there a conference area in the TEOC and if yes, did the TIRT meet in the conference area and discuss the response	Yes	
29	Did the TIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which TIRT members did contact the field officers	Yes. Fire and Rescue team Vellimadukunnu Station Officer - Baburaj	
30	Did the TIRT members and TEOC access the Orange Book 2021	Yes	
31	Please read section 4 (pages 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation and preparedness as laid therein was followed by the TIRT	Yes	
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps	Orange alert level. Camp started and evacuation process started. 18 family and 43 persons evacuated. 2 were Covid positive and hospitalized.	



	laid for each threat level color is followed by the TEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	
33	What time did the mock drill end	2.45 PM
34	Did the TIRT conduct a debriefing and if yes did all TIRT members and onsite responders attend (at least virtually)	Yes
	Response time and Remarks for various activities	
35	Observations (including highlight the positives of the drill)	
	All ERT departments were actively participated in the mock drill. Evacuation process were done immediately. Camps started and hospitalized Covid ositive persons. High level Revenue team (District Collector & Sub Collector) visited the spot and co-ordinated the process. District Collector debriefed and all members were present.	
36	Recommendations as an independent observer	
	1. More infrastructure facility for TEOC to be provided. 2. Local alert announcement to be done properly.	
37	Observers Name, Designation, Dept.	Signature
	Sanal Kumar P. Motor Vehicle Inspector, Motor Vehicles Department. O/o the Deputy Transport Commissioner North Zone Civil Station, Kozhikode	
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)		



**Kerala State Wide Mock Drill, 16-3-2022**

**Observers Report Format – Taluk Emergency Operations Centre**


*The observer had to be present at TEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District and Taluk	Malappuram	Ernad
2	Time of receiving the mock drill start message from DEOC	2.17 PM	
3	First officer informed by TEOC	Thahasildar Ernad Taluk	
4	Time of informing the first person by TEOC	2.32 PM	
5	Time of arrival of TIRT Member (Refer page 77 for Taluk Incident Response Team) in TEOC	#	2.41 PM
6	Response/action initiated by Taluk Incident Commander Informed concerned TIRT members Take an urgent meeting regarding to do		
7	Total persons present in the mock drill in TEOC	8	
8	TIRT Members present in DEOC (Refer page 77 for Taluk Incident Response Team)	9	
9	Number of civilians involved in the mock drill in the selected site as reported by the onsite teams	25	
10	Types of communication systems used between TEOC and Onsite Teams (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile Police VHF	
11	Types of communication systems used between TEOC and DEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile Telephone	
12	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.33 PM	
13	Time of field deployment of Onsite Response Teams as reported in TEOC	2.59 PM	
14	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Police, Fire and Rescue Service Civil Defense	
15	Did the DEOC send the Satellite Phone to the site of event and was it used in the field to contact any EOC; if yes which EOC did the field team contact using the satellite phone	No.	
16	What time did the Rapid Response	F & R	3.00



	Teams reach the site as reported at TEOC	CD	3.10
		LSG ERT	3.00
		Police	3.05
		Health	3.07
17	Did TIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why TIRT decided to request for NDRF or other Central Forces support	Yes	
18	Did TEOC scale up the actions and alert levels to Onsite when alert levels were raised by SEOC	Yes	
19	What actions were additionally taken in light of the raised alert level	Announcement	
20	Did TEOC refer to the Flood/Landslide map of the district	Yes	
21	Did TEOC access the IMD website	-	
22	Did TEOC access IDRN	-	
23	Did TEOC access NDEM	Nil	
24	Did TEOC contact DEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	3 Times	
25	Does TEOC have a dedicated land phone and email	Yes	
26	Does TEOC have UPS backup and generator back up	Yes	
27	Are the desktops in the TEOC in working condition and does it have internet connection from two separate service providers	Yes	
28	Is there a conference area in the TEOC and if yes, did the TIRT meet in the conference area and discuss the response	Yes	
29	Did the TIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which TIRT members did contact the field officers	Tahsildar	
30	Did the TIRT members and TEOC access the Orange Book 2021	Yes	
31	Please read section 4 (pages 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation and preparedness as laid therein was followed by the TIRT	Yes	



32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level color is followed by the TEOC. <i>For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used</i>	Yes
33	What time did the mock drill end	4.58 PM
34	Did the TIRT conduct a debriefing and if yes did all TIRT members and onsite responders attend (at least virtually)	Yes
Response time and Remarks for various activities		
35	Observations (including highlight the positives of the drill)	
	Drills makes more confidence to the Local people to overcome critical circumstances and the concerned officers too.	
36	Recommendations as an independent observer	
	Need more preventive equipment for RRT ensure priority based evacuation process	
37	Observers Name, Designation, Dept.	Signature
	BAIJU P, Assistant Development Commissioner(GI), Malappuram Rural Development Department	
<i>The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)</i>		



**Kerala State Wide Mock Drill, 16-3-2022**

**Observers Report Format – Taluk Emergency Operations Centre**


*The observer had to be present at TEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District and Taluk	Alappuzha, Chengannur	
2	Time of receiving the mock drill start message from DEOC	2.37 pm	
3	First officer informed by TEOC	Tahsildar, Chengannur	
4	Time of informing the first person by TEOC	2.38 pm	
5	Time of arrival of TIRT Member (Refer page 77 for Taluk Incident Response Team) in TEOC	2.38 pm	
6	Response/action initiated by Taluk Incident Commander <i>As soon as alert message was received Taluk Incident Commander held an urgent meeting with TIRT members, discussed about the present situation, rapid response team was deployed and gave instruction about evacuation</i>		
7	Total persons present in the mock drill in TEOC	113	
8	TIRT Members present in DEOC (Refer page 77 for Taluk Incident Response Team)		
9	Number of civilians involved in the mock drill in the selected site as reported by the onsite teams	67	
10	Types of communication systems used between TEOC and Onsite Teams (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile phone, Telephone E-mail, Police VHF	
11	Types of communication systems used between TEOC and DEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, E-mail, Telephone Police VHF	
12	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.38 pm	
13	Time of field deployment of Onsite Response Teams as reported in TEOC	2.40 pm	
14	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Health, Local Govt ERTs Civil defence, police, Fire & Rescue Services.	
15	Did the DEOC send the Satellite Phone to the site of event and was it used in the field to contact any EOC; if yes which EOC did the field team contact using the satellite phone	NO	
16	What time did the Rapid Response Teams reach the site as reported at	F & R	2.45 pm
		CD	2.45 pm



	TEOC	LSG ERT	2.45 pm
		Police	2.45 pm
		Health	2.45 pm
17	Did TIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why TIRT decided to request for NDRF or other Central Forces support	Yes, Availed services of ITBP. Water level has risen all on a sudden. The affected area was fully surrounded by water. No other vehicles could reach the affected area. In this circumstance central forces were deployed.	
18	Did TEOC scale up the actions and alert levels to Onsite when alert levels were raised by SEOC	yes	
19	What actions were additionally taken in light of the raised alert level	Affected persons were evacuated and shifted to camps simultaneously in the light of raised alert level. KSRTC buses were arranged and people were evacuated from flood prone area as precautionary measures.	
20	Did TEOC refer to the Flood/Landslide map of the district	yes	
21	Did TEOC access the IMD website	no	
22	Did TEOC access IDRN		
23	Did TEOC access NDEM		
24	Did TEOC contact DEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	yes 15 times	
25	Does TEOC have a dedicated land phone and email	yes	
26	Does TEOC have UPS backup and generator back up	yes	
27	Are the desktops in the TEOC in working condition and does it have internet connection from two separate service providers	yes	
28	Is there a conference area in the TEOC and if yes, did the TIRT meet in the conference area and discuss the response	yes	
29	Did the TIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which TIRT members did contact the field officers	yes Tahsildar, Chengannur, BDO, MVD, Fire & rescue, Medical officer, C.O of Police Village officer	
30	Did the TIRT members and TEOC access the Orange Book 2021	yes	
31	Please read section 4 (pages 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation and preparedness as laid therein was followed by the TIRT	yes	
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if	yes	



	the steps laid for each threat level color is followed by the TEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	
33	What time did the mock drill end	3.37 pm
34	Did the TIRT conduct a debriefing and if yes did all TIRT members and onsite responders attend (at least virtually)	yes
	Response time and Remarks for various activities	
35	Observations (including highlight the positives of the drill)	
	Good Endurance. As soon as alert was received all departments acted quickly and timely. Evacuation process was well co-ordinated and done accordingly.	
36	Recommendations as an independent observer	
	nil	
37	Observers Name, Designation, Dept.	Signature
	Shylaja Devi. N State Tax officer SGST department.	
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)		



**Kerala State Wide Mock Drill, 16-3-2022**

**Observers Report Format – Taluk Emergency Operations Centre**


*The observer had to be present at TEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District and Taluk	Ernakulam, Paravoor	
2	Time of receiving the mock drill start message from DEOC	2.15 PM	
3	First officer informed by TEOC	Fire	
4	Time of informing the first person by TEOC	2.16 PM	
5	Time of arrival of TIRT Member (Refer page 77 for Taluk Incident Response Team) in TEOC	1.45 PM	
6	Response/action initiated by Taluk Incident Commander * Informed and coordinated Fire, Police, Village officers, Health and paramedics * timely.		
7	Total persons present in the mock drill in TEOC	12	
8	TIRT Members present in DEOC (Refer page 77 for Taluk Incident Response Team)	11	
9	Number of civilians involved in the mock drill in the selected site as reported by the onsite teams	25	
10	Types of communication systems used between TEOC and Onsite Teams (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile	
11	Types of communication systems used between TEOC and DEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile	
12	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.24 PM	
13	Time of field deployment of Onsite Response Teams as reported in TEOC	2.25 PM	
14	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	* Health * Fire & Rescue Service * LG ERTs * Civil Defense * Police	
15	Did the DEOC send the Satellite Phone to the site of event and was it used in the field to contact any EOC; if yes which EOC did the field team contact using the satellite phone	Nil	
16	What time did the Rapid Response Teams reach the site as reported at TEOC	F & R	2.24 PM
		CD	2.24 PM
		LSG ERT	2.24 PM



		Police	2.24 PM
		Health	2.24 PM
17	Did TIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why TIRT decided to request for NDRF or other Central Forces support	Nil	
18	Did TEOC scale up the actions and alert levels to Onsite when alert levels were raised by SEOC	Yes	
19	What actions were additionally taken in light of the raised alert level	2. Gave alert messages through social media & local channels.	
20	Did TEOC refer to the Flood/Landslide map of the district	Yes	
21	Did TEOC access the IMD website	Yes	
22	Did TEOC access IDRN	Yes	
23	Did TEOC access NDEM	Yes.	
24	Did TEOC contact DEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	Yes	
25	Does TEOC have a dedicated land phone and email	Yes	
26	Does TEOC have UPS backup and generator back up	UPS backup	
27	Are the desktops in the TEOC in working condition and does it have internet connection from two separate service providers	Yes	
28	Is there a conference area in the TEOC and if yes, did the TIRT meet in the conference area and discuss the response	Yes Yes	
29	Did the TIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which TIRT members did contact the field officers	Yes Police,	
30	Did the TIRT members and TEOC access the Orange Book 2021	Yes	
31	Please read section 4 (pages 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation and preparedness as laid therein was followed by the TIRT	Yes	
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level color is followed by the TEOC. For		



	flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	Yes
33	What time did the mock drill end	3.30 PM
34	Did the TIRT conduct a debriefing and if yes did all TIRT members and onsite responders attend (at least virtually)	Yes Yes
	Response time and Remarks for various activities	
35	Observations (including highlight the positives of the drill)	
	<ul style="list-style-type: none"> <li>* BRTs acted timely and well coordinated.</li> <li>* Communication between TEOC &amp; BRTs is done effectively.</li> </ul>	
36	Recommendations as an independent observer	
	<ul style="list-style-type: none"> <li>* Need more communication system (wireless)</li> </ul>	
37	Observers Name, Designation, Dept.	Signature
	Baigh. C.V Executive Engineer PUID Division NSI Dombivli.	
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)		



### Kerala State Wide Mock Drill, 16-3-2022

#### Observers Report Format – Taluk Emergency Operations Centre

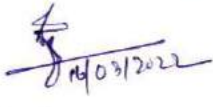
The observer had to be present at TEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected

1	District and Taluk	Wayanad, Vythiri	
2	Time of receiving the mock drill start message from DEOC	2.17 PM.	
3	First officer informed by TEOC	Tahsildar	
4	Time of informing the first person by TEOC	2.18 PM.	
5	Time of arrival of TIRT Member (Refer page 77 for Taluk Incident Response Team) in TEOC	2.19 PM.	
6	Response/action initiated by Taluk Incident Commander  A team under Tahsildar proceeded to field after intimating the incident to Village, Police and LSGD authorities		
7	Total persons present in the mock drill in TEOC	-	
8	TIRT Members present in DEOC (Refer page 77 for Taluk Incident Response Team)	Enrolled -	
9	Number of civilians involved in the mock drill in the selected site as reported by the onsite teams	12 Nos	
10	Types of communication systems used between TEOC and Onsite Teams (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile phone	
11	Types of communication systems used between TEOC and DEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile phone	
12	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.20 PM.	
13	Time of field deployment of Onsite Response Teams as reported in TEOC	2.55 PM.	
14	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Fire & Rescue, Police, Health, LSGD	
15	Did the DEOC send the Satellite Phone to the site of event and was it used in the field to contact any EOC; if yes which EOC did the field team contact using the satellite phone	-	
16	What time did the Rapid Response Teams reach the site as reported at TEOC	F & R	2.45 PM
		CD	-
		LSG ERT	2.35 PM



		Police	2.48 pm
		Health	2.50 pm.
17	Did TIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why TIRT decided to request for NDRF or other Central Forces support	No	
18	Did TEOC scale up the actions and alert levels to Onsite when alert levels were raised by SEOC	-	
19	What actions were additionally taken in light of the raised alert level	-	
20	Did TEOC refer to the Flood/Landslide map of the district		
21	Did TEOC access the IMD website	-	
22	Did TEOC access IDRN	-	
23	Did TEOC access NDEM	-	
24	Did TEOC contact DEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	Yes, TEOC frequently contacted with DEOC during mock drill	
25	Does TEOC have a dedicated land phone and email	Yes	
26	Does TEOC have UPS backup and generator back up	UPS backup is available.	
27	Are the desktops in the TEOC in working condition and does it have internet connection from two separate service providers	Yes, There is KESWAN/ connection only.	
28	Is there a conference area in the TEOC and if yes, did the TIRT meet in the conference area and discuss the response	Yes.	
29	Did the TIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which TIRT members did contact the field officers	-	
30	Did the TIRT members and TEOC access the Orange Book 2021	-	
31	Please read section 4 (pages 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation and preparedness as laid therein was followed by the TIRT	-	
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level	-	



	color is followed by the TEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	
33	What time did the mock drill end	3:30 PM
34	Did the TIRT conduct a debriefing and if yes did all TIRT members and onsite responders attend (at least virtually)	The incident commander briefed about the mock drill among TEOC members.
	Response time and Remarks for various activities	
35	Observations (including highlight the positives of the drill)	
36	Recommendations as an independent observer	
	Periodical training and combined exercise of various officers who have to involve emergency operations, is necessary for the smooth coordination of various departments. Infrastructure need further.	
37	Observers Name, Designation, Dept.	Signature
	Sunil Kumar. K Senior Superintendent Collector, Wayanad	 04/03/2022
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)		

② at TEOC has to be improved.



**Kerala State Wide Mock Drill, 16-3-2022**

**Observers Report Format – Taluk Emergency Operations Centre**

*The observer had to be present at TEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District and Taluk	Kottayam - Kariyapally
2	Time of receiving the mock drill start message from DEOC	2.19 pm
3	First officer informed by TEOC	Dy. S.P. K.P. & Fire & Rescue
4	Time of informing the first person by TEOC	2.20 pm
5	Time of arrival of TIRT Member (Refer page 77 for Taluk Incident Response Team) in TEOC	1.30 pm
6	Response/action initiated by Taluk Incident Commander  TIRT arrived at the spot on 2.36 pm	
7	Total persons present in the mock drill in TEOC	6
8	TIRT Members present in DEOC (Refer page 77 for Taluk Incident Response Team)	-
9	Number of civilians involved in the mock drill in the selected site as reported by the onsite teams	About 150
10	Types of communication systems used between TEOC and Onsite Teams (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, Telephone
11	Types of communication systems used between TEOC and DEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, Telephone, E-mail
12	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.36 pm
13	Time of field deployment of Onsite Response Teams as reported in TEOC	2.25 pm
14	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	All
15	Did the DEOC send the Satellite Phone to the site of event and was it used in the field to contact any EOC; if yes which EOC did the field team contact using the satellite phone	No



16	What time did the Rapid Response Teams reach the site as reported at TEOC	F & R	
		CD	
		LSGERT	2:26 PM
		Police	
		Health	
17	Did TIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why TIRT decided to request for NDRF or other Central Forces support	No	
18	Did TEOC scale up the actions and alert levels to Onsite when alert levels were raised by SEOC	Yes	
19	What actions were additionally taken in light of the raised alert level		
20	Did TEOC refer to the Flood/Landslide map of the district	Yes	
21	Did TEOC access the IMD website	No	
22	Did TEOC access IDRN	NO	
23	Did TEOC access NDEM	NO	
24	Did TEOC contact DEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	Yes (7)	
25	Does TEOC have a dedicated land phone and email	Yes	
26	Does TEOC have UPS backup and generator back up	Yes	
27	Are the desktops in the TEOC in working condition and does it have internet connection from two separate service providers	Yes	
28	Is there a conference area in the TEOC and if yes, did the TIRT meet in the conference area and discuss the response	Yes	
29	Did the TIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which TIRT members did contact the field officers	Village officers. (Kanjirappally)	
30	Did the TIRT members and TEOC access the Orange Book 2021	Yes	
31	Please read section 4 (pages 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation and preparedness as laid therein was followed by the TIRT	Yes	



## Independent Observer's report – District

### Kerala State Wide Mock Drill, 16-3-2022

#### Observers Report Format – District Emergency Operations Centre


The observer had to be present at DEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected

1	District	Kollam	
2	Time of receiving the mock drill start message from SEOC	2.15 pm	
3	First officer informed by DEOC	ADM	
4	Time of informing the first person by DEOC	2.16 pm	
5	Time of arrival of DIRT Member (Refer page 76 for District Incident Response Team) in DEOC	3.20 pm	
6	Response/action initiated by District Incident Commander		
7	Total persons present in the mock drill in DEOC	12	
8	DIRT Members present in DEOC (Refer page 76 for District Incident Response Team)	ADM, RTO, Medical officer, Information officer, Hazard Analyst, JSDM, Police, Fire officer,	
9	Types of communication systems used between DEOC and SEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, email, Telephone, Hotline	
10	Types of communication systems used between DEOC and TEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, email, Telephone, whatsapp message	
11	Time at which the TEOC was activated and onsite deployment of RRTs were directed	3.10 pm	
12	Time of field deployment of Onsite Response Teams as reported in DEOC	2.20 pm	
13	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Health, LSGD, ERTs, Civil Defense, Police, Fire and Rescue, IAG	
14	Did the DEOC send the Satellite Phone to the site of event	No	
15	What time did the Rapid Response Teams reach the site as reported at DEOC	F & R	2.20 pm
		CD	2.20 pm
		LSG ERT	2.15 pm
		Police	2.15 pm
		Health	2.20 pm
16	Did DIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why DIRT decided to request SEOC	No	



	for NDRF or other central forces support	
17	Did DEOC scale up the actions and alert levels to the Taluk and Onsite when alert levels were raised by SEOC	Yes
18	What actions were additionally taken in light of the raised alert level	When house started flooding at 3pm, IRS was activated
19	Did DEOC refer to the Flood/Landslide map of the district	Yes Flood map
20	Did DEOC access the IMD website	Yes
21	Did DEOC access IDRN	Yes
22	Did DEOC access NDEM	Yes
23	Did DEOC access the hotline with SEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	Yes
24	Does DEOC have two dedicated mobile phones from two different service providers and one dedicated email address	Yes
25	Does DEOC have UPS backup and generator back up	Yes
26	Are the desktops in the DEOC in working condition and does it have internet connection from two separate service providers	Yes
27	Is there a conference area in the DEOC and if yes, did the DIRT meet in the conference area and discuss the response	Yes
28	Did the DIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which DIRT members did contact the field officers	Yes
29	Did the Irrigation and KSEB representatives in the DEOC access the CWC website, Irrigation website and KSEB website to know the status of rivers and dams	Yes
30	Did the DIRT members and DEOC access the Orange Book 2021	Yes
31	Please read section 4 (page 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation as laid therein was followed by the DIRT	At 2:45pm when orange alert was declared, low lying areas and vulnerable people were evacuated shelter at 3:00pm when houses flooded IRS was activated
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency	



	Supports Functions Plan and remark if the steps laid for each threat level color is followed by the DEOC. <i>For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used</i>	Yes
33	Did any central forces represent in the DEOC	No
34	What time did the mock drill end	4.54pm
35	Did the DIRT conduct a debriefing and if yes, did all DIRT members attend	Yes 5.30pm
	Response time and Remarks for various activities	
36	Observations (including highlight the positives of the drill)	
	There was a strong co-ordination between all Dept officials and timely communication helped in speedy evaluation	
37	Recommendations as an independent observer	
38	Observers Name, Designation, Dept.	Signature
	SHEEBA K.S Principal Agril officer Agril Development & Farmer's welfare Dept Kollam	
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)		



**Kerala State Wide Mock Drill, 16-3-2022**

**Observers Report Format – District Emergency Operations Centre**


*The observer had to be present at DEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District	Ernakulam	
2	Time of receiving the mock drill start message from SEOC	2.15 pm	
3	First officer informed by DEOC	Responsible officer (DC)	
4	Time of informing the first person by DEOC	2.16 pm	
5	Time of arrival of DIRT Member (Refer page 76 for District Incident Response Team) in DEOC	2.18 pm	
6	Response/action initiated by District Incident Commander I		
7	Total persons present in the mock drill in DEOC	19	
8	DIRT Members present in DEOC (Refer page 76 for District Incident Response Team)	10	
9	Types of communication systems used between DEOC and SEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, Hotline, Satellite phone	
10	Types of communication systems used between DEOC and TEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, Telephone, Police VHF	
11	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.16 pm 2.24 pm	
12	Time of field deployment of Onsite Response Teams as reported in DEOC	2.25 pm	
13	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Health LSG ERTs Fire & Rescue Police Civil station	
14	Did the DEOC send the Satellite Phone to the site of event	Yes	
15	What time did the Rapid Response Teams reach the site as reported at DEOC	F & R	2.24pm
		CD	2.24pm
		LSG ERT	2.24pm
		Police	2.24pm
		Health	2.24pm
16	Did DIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of	No	



	why DIRT decided to request SEOC for NDRF or other central forces support	
17	Did DEOC scale up the actions and alert levels to the Taluk and Onsite when alert levels were raised by SEOC	Yes
18	What actions were additionally taken in light of the raised alert level	Setting up of relief camp, reserved 25% of total beds in nearby Taluk hospital, IAG members were asked to involve in evacuation process and ensured their participation.
19	Did DEOC refer to the Flood/Landslide map of the district	Yes
20	Did DEOC access the IMD website	Yes
21	Did DEOC access IDRN	Yes
22	Did DEOC access NDEM	Yes
23	Did DEOC access the hotline with SEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	4 times
24	Does DEOC have two dedicated mobile phones from two different service providers and one dedicated email address	No. Only one service is used. Have dedicated email address
25	Does DEOC have UPS backup and generator back up	No
26	Are the desktops in the DEOC in working condition and does it have internet connection from two separate service providers	No
27	Is there a conference area in the DEOC and if yes, did the DIRT meet in the conference area and discuss the response	Yes
28	Did the DIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which DIRT members did contact the field officers	All DIRT members
29	Did the Irrigation and KSEB representatives in the DEOC access the CWC website, Irrigation website and KSEB website to know the status of rivers and dams	Yes
30	Did the DIRT members and DEOC access the Orange Book 2021	Yes
31	Please read section 4 (page 73-107) of the Orange Book 2021. Monsoon Preparedness and remark if the appropriate and applicable steps for	Yes



	evacuation as laid therein was followed by the DIRT	
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level color is followed by the DEOC. <i>For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used</i>	Yes, flood SOP followed
33	Did any central forces represent in the DEOC	No
34	What time did the mock drill end	Evacuation completed at 3.30 pm and mock drill ended at 5 pm
35	Did the DIRT conduct a debriefing and if yes, did all DIRT members attend	Yes All the members attended
	Response time and Remarks for various activities	
36	Observations (including highlight the positives of the drill) RRTs acted timely and well-coordinated Effective communication of DEOC, TEOC & SEOC All DIRT members reached timely at DEOC to attend the meeting	
37	Recommendations as an independent observer  All Taluks should be familiar with the use of IDRN and NDEM portal . Training shall be given to them from DDMA	
38	Observers Name, Designation, Dept.	Signature
	Joy KJ Deputy Director of Panchayath Ernakulam 9447511832	 <b>DEPUTY DIRECTOR OF PANCHAYATS ERNAKULAM</b>
<i>The Observer may use more space. It is preferred that the form is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)</i>		



**Kerala State Wide Mock Drill, 16-3-2022**

**Observers Report Format – District Emergency Operations Centre**

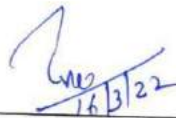
*The observer had to be present at DEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District	WAYANAD	
2	Time of receiving the mock drill start message from SEOC	2.18	
3	First officer informed by DEOC	APM	
4	Time of informing the first person by DEOC	2.16	
5	Time of arrival of DIRT Member (Refer page 76 for District Incident Response Team) in DEOC	2.26	
6	Response/action initiated by District Incident Commander  Communicated the information to DIRT		
7	Total persons present in the mock drill in DEOC	8	
8	DIRT Members present in DEOC (Refer page 76 for District Incident Response Team)	Fire, Revenue, Health, RTO P.P.R.D	
9	Types of communication systems used between DEOC and SEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	mobile, Telephone-	
10	Types of communication systems used between DEOC and TEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	mobile, Telephone -	
11	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.26	
12	Time of field deployment of Onsite Response Teams as reported in DEOC	2.30	
13	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	all	
14	Did the DEOC send the Satellite Phone to the site of event	Nil	
15	What time did the Rapid Response Teams reach the site as reported at DEOC	F & R	2.36
		CD	2.36
		LSG ERT	2.32
		Police	2.41
		Health	2.32
16	Did DIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of	No	



	why DIRT decided to request SEOC for NDRF or other central forces support	
17	Did DEOC scale up the actions and alert levels to the Taluk and Onsite when alert levels were raised by SEOC	yes
18	What actions were additionally taken in light of the raised alert level	As per SOP
19	Did DEOC refer to the Flood/Landslide map of the district	yes
20	Did DEOC access the IMD website	NO
21	Did DEOC access IDRN	NO
22	Did DEOC access NDEM	NO
23	Did DEOC access the hotline with SEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	yes
24	Does DEOC have two dedicated mobile phones from two different service providers and one dedicated email address	yes
25	Does DEOC have UPS backup and generator back up	yes
26	Are the desktops in the DEOC in working condition and does it have internet connection from two separate service providers	yes
27	Is there a conference area in the DEOC and if yes, did the DIRT meet in the conference area and discuss the response	yes
28	Did the DIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which DIRT members did contact the field officers	yes
29	Did the Irrigation and KSEB representatives in the DEOC access the CWC website, Irrigation website and KSEB website to know the status of rivers and dams	only KSEB
30	Did the DIRT members and DEOC access the Orange Book 2021	yes
31	Please read section 4 (page 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation as laid therein was followed by the DIRT	As per orange book
32	Please read pages 43 to 46 (for floods)	



	and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level color is followed by the DEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	As per page No 55 SOP
33	Did any central forces represent in the DEOC	Nil
34	What time did the mock drill end	3:36
35	Did the DIRT conduct a debriefing and if yes, did all DIRT members attend	Yes
Response time and Remarks for various activities		
36	Observations (including highlight the positives of the drill)	
	Mock drill conducted as per order and SOP, in time. all activities completed in timely.	
37	Recommendations as an independent observer	
	Communication system to be activated IEC activities to be done RRT to be Trained	
38	Observers Name, Designation, Dept.	Signature
	JAYARAJAN. P Joint Director, LSGD	 16/3/22
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)		



**Kerala State Wide Mock Drill, 16-3-2022**

**Observers Report Format – District Emergency Operations Centre**

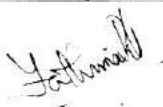
*The observer had to be present at DEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District	Malappuram	
2	Time of receiving the mock drill start message from SEOC	2.16 PM	
3	First officer informed by DEOC	Deputy Collector (DM)	
4	Time of informing the first person by DEOC	2.17 PM	
5	Time of arrival of DIRT Member (Refer page 76 for District Incident Response Team) in DEOC	2.25 PM	
6	Response/action initiated by District Incident Commander	Informed all concerned DIRT members	
7	Total persons present in the mock drill in DEOC	9	
8	DIRT Members present in DEOC (Refer page 76 for District Incident Response Team)	District Collector, ADM, DM Deputy Collector, DMO, Fire Officer, Dy SP, KSEB, Irrigation & PRD officials	
9	Types of communication systems used between DEOC and SEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Hot line, Mobile – Whatsapp	
10	Types of communication systems used between DEOC and TEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile – Whatsapp Telephone	
11	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.33 PM	
12	Time of field deployment of Onsite Response Teams as reported in DEOC	2.36 PM	
13	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Police, Fire force, Health, LSGD, ERT, Civil Defence	
14	Did the DEOC send the Satellite Phone to the site of event	No	
15	What time did the Rapid Response Teams reach the site as reported at DEOC	F & R	2.41 PM
		CD	2.43 PM
		LSG ERT	2.43 PM
		Police	2.43 PM
		Health	2.43 PM



16	Did DIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why DIRT decided to request SEOC for NDRF or other central forces support	Yes. As per the alert given from SEOC there will be issues for river discharge/ drainage during high tides for tonight and tomorrow.
17	Did DEOC scale up the actions and alert levels to the Taluk and Onsite when alert levels were raised by SEOC	Yes. Irrigation Department
18	What actions were additionally taken in light of the raised alert level	Alert given to the Public staying nearest to the river through LSGD
19	Did DEOC refer to the Flood/Landslide map of the district	Yes
20	Did DEOC access the IMD website	Yes
21	Did DEOC access IDRN	Yes
22	Did DEOC access NDEM	No
23	Did DEOC access the hotline with SEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	Yes – 3 Times
24	Does DEOC have two dedicated mobile phones from two different service providers and one dedicated email address	Only BSNL mobile & one dedicated e-mail address
25	Does DEOC have UPS backup and generator back up	Yes
26	Are the desktops in the DEOC in working condition and does it have internet connection from two separate service providers	Yes
27	Is there a conference area in the DEOC and if yes, did the DIRT meet in the conference area and discuss the response	Yes
28	Did the DIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which DIRT members did contact the field officers	Yes Deputy Collector (DM)
29	Did the Irrigation and KSEB representatives in the DEOC access the CWC website, Irrigation website and KSEB website to know the status of rivers and dams	Yes
30	Did the DIRT members and DEOC access the Orange Book 2021	Yes



31	Please read section 4 (page 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation as laid therein was followed by the DIRT	Yes
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level color is followed by the DEOC. <i>For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used</i>	Yes
33	Did any central forces represent in the DEOC	No
34	What time did the mock drill end	4.58PM
35	Did the DIRT conduct a debriefing and if yes, did all DIRT members attend	Yes
Response time and Remarks for various activities		
36	Observations (including highlight the positives of the drill)	
	Active participation of Revenue, Police, Fire force and Local Self Government Department in the Mock Drill	
37	Recommendations as an independent observer	
	Minor irrigation department can include in the DIRT. Need more training to all DIRT members about their roles and responsibility	
38	Observers Name, Designation, Dept.	Signature
	Fathima, P.A District Planning Officer District Planning Office Malappuram	
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:scoc_gok@gmail.com">scoc_gok@gmail.com</a> as word document (*.doc)		





## Kerala State Wide Mock Drill, 16/03/2022

### Observers Report Format – District Emergency Operations Centre


*The observer had to be present at DEOC from 1.45 PM onwards and he/she shall not interact with the duty staff or the Mock Drill staff. A totally impersonal report is expected*

1	District	THRISSUR	
2	Time of receiving the mock drill start message from SEOC	2.22 PM (16/03/2022)	
3	First Officer informed by DEOC	Incident Commander	
4	Time of informing the first person by DEOC	2.23 PM	
5	Time of arrival of DIRT Member (Refer page 76 For District Incident Response Team) in DEOC	2.23 PM	
	Response /action initiated by District incident Commander		
6	DIC informed (RO)District collector and also directed to convene IRS meeting		
7	Total persons present in the mock drill in DEOC	19	
8	DIRT Members present in DEOC (Refer page 76 For District incident response Team)	All 10 members	
9	Types of communication systems used between DEOC and SEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, Telephone	
10	Types of communication systems used between DEOC and TEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, E-mail, Telephone, Police VHF, Revenue VHF	
11	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.35 PM	
12	Time of field deployment of onsite Response Teams as reported in DEOC	2.42 PM	
13	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services)as reported in DEOC	All Departments	
14	Did the DEOC send the Satellite Phone to the site of event	No	
15	What time did the Rapid Response Teams reach the site as reported at DEOC	F&R	2.41 PM
		CD	2.41 PM
		LSGERT	2.46 PM
		Police	2.47 PM
		Health	2.48 PM



16	Did DIRT decide to avail the services of NDRF or other Central Forces and if so, why ? Please have a narration of why DIRT decided to request SEOC for NDRF or other central forces support	NO
17	Did DEOC scale up the actions and alert levels to the Taluk and onsite when alert levels were raised by SEOC	Yes
18	What actions were additionally taken in light of the raised alert level	Necessary actions on the alert of dam alerts. Evacuate all the low lying areas.
19	Did DEOC refer to the Flood/Landslide map of the District	Yes
20	Did DEOCs access the IMD website	Yes
21	Did DEOCs access IDRN	Yes
22	Did DEOCs access NDEM	Yes
23	Did DEOC access the hotline with SEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	Yes
24	Does DEOC have two dedicated mobile phones from two different service providers and one dedicated email address	One mobile phone one service provider.
25	Does DEOC have UPS backup and generator back up	Yes (UPS)
26	Are the desktops in the DEOC in working condition and does it have internet connection from two separate service providers	Yes
27	Is there a conference area in the DEOC and if yes, did the DIRT meet in the conference area and discuss the response	No, DIRT meeting in the DIC Room
28	Did the DIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which DIRT members did contact the field officers	Yes, all the members
29	Did the Irrigation and KSEB representatives in the DEOC access the CWC website, Irrigation website and KSEB website to know the status of rivers and dams	Yes
30	Did the DIRT members and DEOC access the Orange Book 2021	Yes



31	Please read section 4 (page 73-107) of the Orange Book 2021-Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation as laid therein was followed by the DIRT	Yes
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1-SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level color is followed by the DEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	SOP followed
33	What time did the mock drill end	4.45 PM
34	Did the DIRT conduct a debriefing and if yes, did all DIRT members attend	Yes, all members attended.
<b>Response time and Remarks for various activities</b>		
Observations (including highlight the positives of the drill)		
35	Response of DIRT was very impressive and all activities carried out by the DIRT- Members were good. Communication with the response team of concerned departments were very effective. Such mock drills are useful in convincing people that the government system is always ready to attend with any disaster. It is also useful for building confidence among the people . People can understand how officials and people need to be vigilant in situations like floods	
<b>Recommendations as an independent observer</b>		
36	It is observed that an independent wing should be activated at TERT for better communication between TERT and DIRT	
Observers Name, Designation, Department		Signature
37	Vibhooshanan.P.A Revenue Divisional Officer, Thrissur Revenue Department	
<i>The observer may use more space. It is preferred that the format is digitally filled and sent back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)</i>		



**Kerala State Wide Mock Drill, 16-3-2022**  
**Observers Report Format – District Emergency Operations Centre**


*The observer had to be present at DEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District	Alappuzha	
2	Time of receiving the mock drill start message from SEOC	2.20 PM	
3	First officer informed by DEOC	District Collector	
4	Time of informing the first person by DEOC	2.20 PM	
5	Time of arrival of DIRT Member (Refer page 76 for District Incident Response Team) in DEOC	2.24 PM	
	Response/action initiated by District Incident Commander		
6	Crisis management committee convened immediately and directed to start evacuation process		
7	Total persons present in the mock drill in DEOC	10	
8	DIRT Members present in DEOC (Refer page 76 for District Incident Response Team)	Yes	
9	Types of communication systems used between DEOC and SEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	All communication systems used except Satellite Phone	
10	Types of communication systems used between DEOC and TEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	All communication systems used except Satellite Phone	
11	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.37 PM	
12	Time of field deployment of Onsite Response Teams as reported in DEOC	2.37 PM	
13	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	All	
14	Did the DEOC send the Satellite Phone to the site of event	No	
15	What time did the Rapid Response Teams reach the site as reported at DEOC	F & R	2.37 PM
		CD	2.37 PM
		LSG ERT	2.37 PM
		Police	2.37 PM
		Health	2.37 PM



16	Did DIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why DIRT decided to request SEOC for NDRF or other central forces support	ITBP services availed, due to past experience during 2018-19 floods. The flood situation escalates very soon which may require NDRF or Central forces support.
17	Did DEOC scale up the actions and alert levels to the Taluk and Onsite when alert levels were raised by SEOC	Yes
18	What actions were additionally taken in light of the raised alert level	Mike announcement, setting up of relief camps, assistance from fishermen community
19	Did DEOC refer to the Flood/Landslide map of the district	Yes
20	Did DEOC access the IMD website	Yes
21	Did DEOC access IDRN	Yes
22	Did DEOC access NDEM	Yes
23	Did DEOC access the hotline with SEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	4 times
24	Does DEOC have two dedicated mobile phones from two different service providers and one dedicated email address	Yes
25	Does DEOC have UPS backup and generator back up	Yes
26	Are the desktops in the DEOC in working condition and does it have internet connection from two separate service providers	Yes
27	Is there a conference area in the DEOC and if yes, did the DIRT meet in the conference area and discuss the response	Yes
28	Did the DIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which DIRT members did contact the field officers	All DIRT members
29	Did the Irrigation and KSEB representatives in the DEOC access the CWC website, Irrigation website and KSEB website to know the status of rivers and dams	Yes



30	Did the DIRT members and DEOC access the Orange Book 2021	Yes
31	Please read section 4 (page 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation as laid therein was followed by the DIRT	Yes
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level color is followed by the DEOC. <i>For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used</i>	Flood SOP followed
33	Did any central forces represent in the DEOC	No
34	What time did the mock drill end	3.35 PM
35	Did the DIRT conduct a debriefing and if yes, did all DIRT members attend	Yes
Response time and Remarks for various activities		
36	Observations (including highlight the positives of the drill)	
	Time bound and quickly response up to LSG level. In addition to available local resources, ITBP & IAG also helped in evacuation.	
37	Recommendations as an independent observer	
	In a crisis situation, along the available local resources, quickly deployable central forces and other organisations must be called up on for further support.	
38	Observers Name, Designation, Dept.	Signature
	Pradeep Kumar V Deputy Development Commissioner & Project Director, PAU, Alappuzha	
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)		



**Kerala State Wide Mock Drill, 16-3-2022**  
**Observers Report Format – District Emergency Operations Centre**


*The observer had to be present at DEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District	Palakkad
2	Time of receiving the mock drill start message from SEOC	2.16 PM, 16-03-2022
3	First officer informed by DEOC	Chairman, DDMA, Palakkad
4	Time of informing the first person by DEOC	2.17 PM
5	Time of arrival of DIRT Member (Refer page 76 for District Incident Response Team) in DEOC	2.17 PM
6	Response/action initiated by District Incident Commander Informed TEOC, Chittur and other IRT members to act fast	
7	Total persons present in the mock drill in DEOC	6
8	DIRT Members present in DEOC (Refer page 76 for District Incident Response Team)	1) RO 2) IC 3) LO
9	Types of communication systems used between DEOC and SEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, Phone
10	Types of communication systems used between DEOC and TEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, Phone
11	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.25 PM
12	Time of field deployment of Onsite Response Teams as reported in DEOC	2.30 PM
13	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Health, LSGI ERT, Civil Defence, Fire Force, Police, Revenue officials
14	Did the DEOC send the Satellite Phone to the site of event	Mobile coverage area. Hence Satellite phone not required
15	What time did the Rapid Response Teams reach the site as reported at DEOC	F & R 2.30 PM
		CD 2.30 PM
		LSG ERT 2.30 PM
		Police 2.30 PM
		Health 2.30 PM
16	Did DIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of	No



	why DIRT decided to request SEOC for NDRF or other central forces support	
17	Did DEOC scale up the actions and alert levels to the Taluk and Onsite when alert levels were raised by SEOC	Yes
18	What actions were additionally taken in light of the raised alert level	Alert message given to all IRT members
19	Did DEOC refer to the Flood/Landslide map of the district	No
20	Did DEOC access the IMD website	No
21	Did DEOC access IDRN	No
22	Did DEOC access NDEM	No
23	Did DEOC access the hotline with SEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	Yes, 3 Times contacted with SEOC.
24	Does DEOC have two dedicated mobile phones from two different service providers and one dedicated email address	Yes
25	Does DEOC have UPS backup and generator back up	Yes
26	Are the desktops in the DEOC in working condition and does it have internet connection from two separate service providers	Yes
27	Is there a conference area in the DEOC and if yes, did the DIRT meet in the conference area and discuss the response	Yes
28	Did the DIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which DIRT members did contact the field officers	Yes
29	Did the Irrigation and KSEB representatives in the DEOC access the CWC website, Irrigation website and KSEB website to know the status of rivers and dams	Not Necessary
30	Did the DIRT members and DEOC access the Orange Book 2021	Yes
31	Please read section 4 (page 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation as laid therein was followed by the DIRT	Yes
32	Please read pages 43 to 46 (for floods)	Yes



	and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level color is followed by the DEOC. <i>For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used</i>	
33	Did any central forces represent in the DEOC	No
34	What time did the mock drill end	3.20 PM
35	Did the DIRT conduct a debriefing and if yes, did all DIRT members attend	Chairperson, DDMA conducted debriefing and all DIRT members attended the online meeting
	Response time and Remarks for various activities	
36	Observations (including highlight the positives of the drill)	
	All DIRT members actively participated in the rescue operation. Public participation and response was also very good. Timely action of various departments was a highlight of the mock drill.	
37	Recommendations as an independent observer	
	The DEOC and TEOC requires modern communication equipments, search lights, ropes, rain coats, dinghies, cutting equipments etc for a more effective rescue operation.	
38	Observers Name, Designation, Dept.	Signature
	A. Abdul Latheef Huzur Sheristadar (Revenue Department) Collectorate, Palakkad	
<i>The Observer may use more space. It is preferred that the format is digitally filled and send back to seoc.gok@gmail.com as word document (*.doc)</i>		



**Kerala State Wide Mock Drill, 16-3-2022**

**Observers Report Format – Taluk Emergency Operations Centre**


*The observer had to be present at TEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District and Taluk	Kozhikode District, Kozhikode Taluk
2	Time of receiving the mock drill start message from DEOC	2.20 PM
3	First officer informed by TEOC	Tahsildar, Kozhikode
4	Time of informing the first person by TEOC	2.20 PM – Village Officer
5	Time of arrival of TIRT Member (Refer page 77 for Taluk Incident Response Team) in TEOC	2.20 PM – 6 members present
6	Response/action initiated by Taluk Incident Commander	
	1. Instruction given to Village Officer to proceed to Kannadikkal 2. Contacted DEOC 3. Instruction given to start emergency camp 4. Nearest Village Officers were informed	
7	Total persons present in the mock drill in TEOC	150
8	TIRT Members present in DEOC (Refer page 77 for Taluk Incident Response Team)	7, Medical, BDO, Taluk staff, Fire and Rescue,
9	Number of civilians involved in the mock drill in the selected site as reported by the onsite teams	50
10	Types of communication systems used between TEOC and Onsite Teams (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile phone
11	Types of communication systems used between TEOC and DEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Telephone and mobile phone
12	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.20 PM
13	Time of field deployment of Onsite Response Teams as reported in TEOC	2.25 PM
14	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Fire and Rescue, Revenue team, Health, Police, LSGD, Civil Defense- Govt.ERTs
15	Did the DEOC send the Satellite Phone to the site of event and was it used in the field to contact any EOC; if yes which EOC did the field team contact using the satellite phone	No
16	What time did the Rapid Response Teams reach the site as reported at TEOC	F & R 2.20 PM
		CD 2.20 PM
		LSG ERT 2.20 PM



		Police	2.20 PM
		Health	2.20 PM
17	Did TIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why TIRT decided to request for NDRF or other Central Forces support	No	
18	Did TEOC scale up the actions and alert levels to Onsite when alert levels were raised by SEOC	Yes	
19	What actions were additionally taken in light of the raised alert level	Camps started at Silver Hills HSS. Evacuated 43 persons & 2 persons hospitalized and 2 persons are Covid positive.	
20	Did TEOC refer to the Flood/Landslide map of the district	Yes – Vengeri village – Kannadikkal Vadakke Vayal	
21	Did TEOC access the IMD website	No	
22	Did TEOC access IDRN	No	
23	Did TEOC access NDEM	No	
24	Did TEOC contact DEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	3 times	
25	Does TEOC have a dedicated land phone and email	Yes	
26	Does TEOC have UPS backup and generator back up	Yes, UPS back up. No generator back up	
27	Are the desktops in the TEOC in working condition and does it have internet connection from two separate service providers	Installation process to be completed	
28	Is there a conference area in the TEOC and if yes, did the TIRT meet in the conference area and discuss the response	Yes	
29	Did the TIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which TIRT members did contact the field officers	Yes. Fire and Rescue team Vellimadukunnu Station Officer - Baburaj	
30	Did the TIRT members and TEOC access the Orange Book 2021	Yes	
31	Please read section 4 (pages 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation and preparedness as laid therein was followed by the TIRT	Yes	
32	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps	Orange alert level. Camp started and evacuation process started. 18 family and 43 persons evacuated. 2 were Covid positive and hospitalized.	



	laid for each threat level color is followed by the TEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	
33	What time did the mock drill end	2.45 PM
34	Did the TIRT conduct a debriefing and if yes did all TIRT members and onsite responders attend (at least virtually)	Yes
	Response time and Remarks for various activities	
35	Observations (including highlight the positives of the drill)	
	All ERT departments were actively participated in the mock drill. Evacuation process were done immediately. Camps started and hospitalized Covid ositive persons. High level Revenue team (District Collector & Sub Collector) visited the spot and co-ordinated the process. District Collector debriefed and all members were present.	
36	Recommendations as an independent observer	
	1. More infrastructure facility for TEOC to be provided. 2. Local alert announcement to be done properly.	
37	Observers Name, Designation, Dept.	Signature
	Sanal Kumar P. Motor Vehicle Inspector, Motor Vehicles Department. O/o the Deputy Transport Commissioner North Zone Civil Station, Kozhikode	
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)		



### Kerala State Wide Mock Drill, 16/03/2022

#### Observation Report Formate – District Emergency Operation Centre

*The observer had to be present at DEOC from 1.45 P M onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1.	District	Thiruvananthapuram
2	Time of receiving the mock drill start message from SEOC	02.20 PM
3	First officer informed by DEOC	Tahsildar, Police, Fireforce, Hospitals, KSEB, DIO
4	Time of informing the first person by DEOC	02.21 PM
5	Time of arrival of DIRT Member (Refer page 76 for Distric Incident Response Team) in DEOC	02.30 PM
6	Response / action initiated by Distric Incident Commander	
	1. Informed to RO 2. Instructed to inform TEOC and also give direction to inform Police, Fireforce, Tahsildar, Health, KSEB and DIO. Directed to convene the meeting regarding crisis management.	
7	Total persons present in the mock drill in DEOC	14
8	DIRT Members present in DEOC (Refer page 76 for Distric Incident Response Team)	11
8	Types of communication systems used between DEOC and SEOC (Mobile, Satalite Phone, E-mail, Telephone, Police VHF)	Mobile phone and telephone
10	Types of communication systems used between DEOC and TEOC (Mobile, Satalite Phone, E-mail, Telephone, Police VHF)	Mobile phone and telephone
11	Time at which the TEOC was activated and onsite deployment of RRTs were directed.	02.23 PM
12	Time of field deployment of onsite response teams as reported in DEOC	02.25 PM
13	Which rapid response team's are present onsite (Health, Local Government ERTs, Civil Defence, Police, Fire and Rescue Services) as reported in DEOC	VillageOfficer, Police, Fire Force, Health and LSGD
14	Did the DEOC send the Satalite phone to the site of event	No
15	What time did the rapid response teams reach the site as reported at DEOC	F&R 02.32 PM CD 02.32 PM LSG ERT 02.24 PM Police 02.56 PM Health 02.35 PM

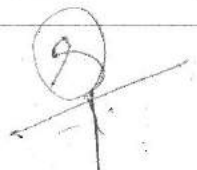


16	Did DIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why DIRT decided to request SEOC for NDRF or other Central Forces support	No
17	Did DEOC scale up the actions and alert levels to the Taluk and Onsite when alert level were raised by SEOC	Yes
18	What actions were additionally taken in light of the raised alert level	1. Directed to collect another boat from near by place. 2. Directed to evacuate the affected persons
19	Did DEOC refer to the flood / landslide map of the District	Yes
20	Did DEOC access the IMD website	Yes
21	Did DEOC access the IDRN	No
22	Did DEOC access NDEM	Yes
23	Did DEOC access the hotline with SEOC for timely verification of alerts and alert levels and if so how many times during the mockdrill	Yes
24	Does DEOC have two dedicated mobile phones from two different service providers and one dedicated e-mail address.	No
25	Did DEOC have UPS backup and generator backup	Yes
26	Are the desktops in the DEOC in working condition and does it have internet connection from two seperate service providers	2 desktops - all are running condition 2 net connections – both are BSNL
27	Is there a conference area in the DEOC and if yes, did the DIRT meet in the conference area and discuss the response	Yes, discussed
28	Did the DIRT members proactiviely connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which DIRT members did contact the field officers.	Yes, all DIRT members contact with the field officers
29	Did the Irrigation and KSEB representatives in the DEOC access the CWC website, Irrigation website and KSEB website to know the status of rivers and dams.	Yes.
30	Did the DIRT members and DEOC access the Orange Book 2021	Yes
31	Please read Section 4 (Page 73 to 107) of the Orange Book 2021 – Monsoon preparedness and remark if the appropriate and applicable steps for evacuation as laid therein was followed by the GIRT	Yes



32	Please read pages 43 to 46 (for floods) and page 55 (for land slides) of Orange Book 1 – SOPs and Emergency Supports Functions plan and remark if the steps laid for each threat level color is followed by the DEOC. <i>For flood scenario districts the flood SOP should be used and for land slides scenario the land slide SOP should be used</i>	Yes
33	Did any Central forces represent in the DEOC	No
34	What time did the mockdrill end	04.45 PM
35	Did the DIRT conduct a debriefing and if yes, did all DIRT members attend	Yes, all DIRT members were attended.

Response time and remarks for various activities

36	Observations (including highlight the positives of the drill)	
	1. All officers were acted as an incident took place. 2. All officers were attend in time. 3. DDMA Chairperson has given instruction in vital issues	
37	Recommendations as an incident observer	
	1. LSGD co-ordination in Panchayath areas is very poor. 2. Awareness should be given to the LSGD and Health Staff about their role in the TEOC and TIRT and the works to be done. 3. In Taluk level, there is no person in Health Department to contact for making arrangement 4. Only one officer at DEOC level to give directions.	
38	Observers name , Designation, Department	Signature
	Sajikumar, S.I. Deputy Collector ZANNA TVM.	

The observer may use more space. It is preferred that the format is digitally filled and sent back to [seoc.gok@gmail.com](mailto:seoc.gok@gmail.com) as word documents. (\*.doc)



# Kerala State Wide Mock Drill, 16-3-2022

## Observers Report Format – District Emergency Operations Centre


The observer had to be present at DEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected

1	District	Kasaragod, Kerala	
2	Time of receiving the mock drill start message from SEOC	2:16 pm.	
3	First officer informed by DEOC	Additional District Magistrate	
4	Time of informing the first person by DEOC	2:16 pm	
5	Time of arrival of DIRT Member (Refer page 76 for District Incident Response Team) in DEOC	2:18 pm	
6	Response/action initiated by District Incident Commander Informed other members of the District level IIRs regarding current scenario and directed them to inform their subordinates at Taluk level and apprise them of the situation.		
7	Total persons present in the mock drill in DEOC	15 members	
8	DIRT Members present in DEOC (Refer page 76 for District Incident Response Team)	8 members	
9	Types of communication systems used between DEOC and SEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	All types of communication available. Through hotline	
10	Types of communication systems used between DEOC and TEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	All types of communication available (except VHF)	
11	Time at which the TEOC was activated and onsite deployment of RRTs were directed	Information given at 2:23 pm. 2:25 pm	
12	Time of field deployment of Onsite Response Teams as reported in DEOC	2:30 pm	
13	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Health, Local Self Govt., Civil Defence, Police, Fire & Rescue present as per reports.	
14	Did the DEOC send the Satellite Phone to the site of event	Not available.	
15	What time did the Rapid Response Teams reach the site as reported at DEOC	F & R CD LSG ERT Police Health	2:39 pm    2:40 pm
16	Did DIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of	Yes. Request given for NDRF. Rainfall has been continuing for	



	why DIRT decided to request SEOC for NDRF or other central forces support	two days. CWC flood warning received. Level alerted to RED.
17	Did DEOC scale up the actions and alert levels to the Taluk and Onsite when alert levels were raised by SEOC	Yes.
18	What actions were additionally taken in light of the raised alert level	Information passed onto all TEDCs. Additional camps and shelters found.
19	Did DEOC refer to the Flood/Landslide map of the district	Yes.
20	Did DEOC access the IMD website	Yes
21	Did DEOC access IDRN	Yes.
22	Did DEOC access NDEM	No
23	Did DEOC access the hotline with SEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	Yes. Regular contact maintained. 6 times called from and 3 times called to.
24	Does DEOC have two dedicated mobile phones from two different service providers and one dedicated email address	Only one mobile phone available.
25	Does DEOC have UPS backup and generator back up	UPS not ready. Generator available.
26	Are the desktops in the DEOC in working condition and does it have internet connection from two separate service providers	Only one service provider. Desktops in working condition.
27	Is there a conference area in the DEOC and if yes, did the DIRT meet in the conference area and discuss the response	No conference area in DEOC. Conference hall available (20 metres)
28	Did the DIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which DIRT members did contact the field officers	Yes. Medical, Police, RTO. DII maintained regular contact with their respective teams.
29	Did the Irrigation and KSEB representatives in the DEOC access the CWC website, Irrigation website and KSEB website to know the status of rivers and dams	Not seen done.
30	Did the DIRT members and DEOC access the Orange Book 2021	Yes.
31	Please read section 4 (page 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation as laid therein was followed by the DIRT	Directions in the Orange Book was seen followed.
32	Please read pages 43 to 46 (for floods)	



	and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level color is followed by the DEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	The relevant SOP was informed to members and directions to units in the field were given as per directions therein.
33	Did any central forces represent in the DEOC	No
34	What time did the mock drill end	04.08pm
35	Did the DIRT conduct a debriefing and if yes, did all DIRT members attend	Yes. 8 out of 10 members present.
	Response time and Remarks for various activities	
36	Observations (including highlight the positives of the drill)	
	Regular conduct of such drills would maintain readiness of system for any eventuality. All officers participated actively and response from field units was timely.	
37	Recommendations as an independent observer	
	All communication channels should be maintained fully functional at all times. Messages were unable to be passed at times due to failure to connect.	
38	Observers Name, Designation, Dept.	Signature
	R. Thirul Swaminath Revenue Divisional Officer & Sub Divisional Magistrate Kasaragod.	 16/03/2020
The Observer may use more space. It is preferred that the format is digitally filled and send back to seoc.gok@gmail.com as word document (*.doc)		



**Kerala State Wide Mock Drill, 16-3-2022**

**Observers Report Format – District Emergency Operations Centre**

*The observer had to be present at DEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District	PATHANAMTHITTA	
2	Time of receiving the mock drill start message from SEOC	02:20 PM	
3	First officer informed by DEOC	DEPUTY COLLECTOR, DM	
4	Time of informing the first person by DEOC	02:22 PM	
5	Time of arrival of DIRT Member (Refer page 76 for District Incident Response Team) in DEOC	02:24 PM	
6	Response/action initiated by District Incident Commander i. Intimated TEOC, ADOOR - 02:25 PM ii. Informed District Collector and other concerned departments		
7	Total persons present in the mock drill in DEOC	15	
8	DIRT Members present in DEOC (Refer page 76 for District Incident Response Team)	YES	
9	Types of communication systems used between DEOC and SEOC(Mobile, Satellite Phone, Email, Telephone, Police VHF)	MOBILE, SATELITE PHONE,EMAIL, TELEPHONE	
10	Types of communication systems used between DEOC and TEOC(Mobile, Satellite Phone, Email, Telephone, Police VHF)	MOBILE, SATELITE PHONE,EMAIL, TELEPHONE	
11	Time at which the TEOC was activated and onsite deployment of RRTs were directed	02:27 PM	
12	Time of field deployment of Onsite Response Teams as reported in DEOC	02:50 PM	
13	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services	
14	Did the DEOC send the Satellite Phone to the site of event	NO	
15	What time did the Rapid Response Teams reach the site as reported at DEOC	F & R	03:08 PM
		CD	03:08PM
		LSG ERT	03:00 PM
		Police	03:15 PM
		Health	03:00 PM
16	Did DIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why DIRT decided to request SEOC for NDRF or other central forces	Yes, DIRT has decided to avail the service of NDRF because they are capable of rescuing people stranded in an area which has been partially inundated due to rise in river water and least accessible due	



	support	to strong under water current.
17	Did DEOC scale up the actions and alert levels to the Taluk and Onsite when alert levels were raised by SEOC	YES
18	What actions were additionally taken in light of the raised alert level	i. Communicated with Irrigation and KSEB. ii. Mobilization of resources and manpower to the affected area.
19	Did DEOC refer to the Flood/Landslide map of the district	YES
20	Did DEOC access the IMD website	YES
21	Did DEOC access IDRN	YES
22	Did DEOC access NDEM	YES
23	Did DEOC access the hotline with SEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	Yes, the details have been verified by DEOC through mobile phone
24	Does DEOC have two dedicated mobile phones from two different service providers and one dedicated email address	No  Both the mobile phones available in DEOC are of BSNL service provider
25	Does DEOC have UPS backup and generator back up	YES
26	Are the desktops in the DEOC in working condition and does it have internet connection from two separate service providers	YES
27	Is there a conference area in the DEOC and if yes, did the DIRT meet in the conference area and discuss the response	There is no dedicated conference area in DEOC. However the discussion were carried out in stint
28	Did the DIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which DIRT members did contact the field officers	YES,
29	Did the Irrigation and KSEB representatives in the DEOC access the CWC website, Irrigation website and KSEB website to know the status of rivers and dams	YES
30	Did the DIRT members and DEOC access the Orange Book 2021	YES
31	Please read section 4 (page 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation as laid therein was followed by the DIRT	YES
32	Please read pages 43 to 46 (for floods)	YES



	and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level color is followed by the DEOC. <i>For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used</i>	
33	Did any central forces represent in the DEOC	NO
34	What time did the mock drill end	03:58 PM
35	Did the DIRT conduct a debriefing and if yes, did all DIRT members attend	YES, all the DIRT members were present and briefing done.
	Response time and Remarks for various activities	
36	Observations (including highlight the positives of the drill)	
	The mock drill helped DEOC to access their readiness and the coordination ability of all the departments in the event of a disaster. It has been observed that all the team members could easily coordinate for rescue operations. The time taken between intimation to the completion of the rescue was noticeably less.	
37	Recommendations as an independent observer	
	i. It was observed that the Satellite phone supplied to the DEOC was not able to get proper signal due to the cloudy conditions on 16/03/2022. Hence, it is recommended to upgrade the device or use ICT devices which eases communication in case of a disaster in future.	
38	Observers Name, Designation, Dept.	Signature
	NIJU ABRAHAM Technical Director & Additional District Informatics Officer NIC, Collectorate, Pathanamthitta	<i>NIJU ABRAHAM</i> 21/03/2022 <b>NIJU ABRAHAM</b> Technical Director (Scientist - B) Government of India Ministry of Electronics & IT (MoEIT) National Informatics Centre 2nd Floor, Collectorate Pathanamthitta 689 645
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)		




**Kerala State Wide Mock Drill, 16-3-2022**

**Observers Report Format – District Emergency Operations Centre**

*The observer had to be present at DEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District	Idukki	
2	Time of receiving the mock drill start message from SEOC	2.25	
3	First officer informed by DEOC		
4	Time of informing the first person by DEOC	2.25	
5	Time of arrival of DIRT Member (Refer page 76 for District Incident Response Team) in DEOC	2.10pm	
6	Response/action initiated by District Incident Commander	All DIRT members and TEOC, information passed to	
7	Total persons present in the mock drill in DEOC	12	
8	DIRT Members present in DEOC (Refer page 76 for District Incident Response Team)	8 members	
9	Types of communication systems used between DEOC and SEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, Email, Telephone, satellite phone, Police VHF	
10	Types of communication systems used between DEOC and TEOC (Mobile, Satellite Phone, Email, Telephone, Police VHF)	Mobile, Email, Telephone	
11	Time at which the TEOC was activated and onsite deployment of RRTs were directed	2.30 pm	
12	Time of field deployment of Onsite Response Teams as reported in DEOC	2.32	
13	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	All teams are present.	
14	Did the DEOC send the Satellite Phone to the site of event	No	
15	What time did the Rapid Response Teams reach the site as reported at DEOC	F & R	3.10 pm
		CD	3.10 pm
		LSG ERT	3.10 pm
		Police	3.10 pm
		Health	3.10 pm
16	Did DIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of	Yes	



	and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level color is followed by the DEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	Yes
33	Did any central forces represent in the DEOC	Yes
34	What time did the mock drill end	4.20pm
35	Did the DIRT conduct a debriefing and if yes, did all DIRT members attend	Yes
	Response time and Remarks for various activities	
36	Observations (including highlight the positives of the drill)	
	53 persons are evacuated and rehabilitated at two camps. At the event of landslide, 11 persons are rescued, out of which two persons are died and 9 persons are hospitalized	
37	Recommendations as an independent observer	
	All teams are present at the site and doing their duty in systematic manner.	
38	Observers Name, Designation, Dept.	Signature
	Tolly Joseph Deputy Collector Revenue Department.	
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)		



### Kerala State Wide Mock Drill, 16-3-2022

#### Observers Report Format – District Emergency Operations Centre

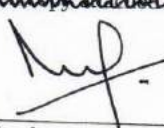
*The observer had to be present at DEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected*

1	District	Kannur	
2	Time of receiving the mock drill start message from SEOC	2.15PM	
3	First officer informed by DEOC	Tahsildar Thalassery	
4	Time of informing the first person by DEOC	2.20PM	
5	Time of arrival of DIRT Member (Refer page 76 for District Incident Response Team) in DEOC	2.30PM	
6	Response/action initiated by District Incident Commander	Contacted TEOC and given instructions	
7	Total persons present in the mock drill in DEOC	8	
8	DIRT Members present in DEOC (Refer page 76 for District Incident Response Team)	District collector, Deputy Supdt of Police, Deputy Medical Officer	
9	Types of communication systems used between DEOC and SEOC(Mobile, Satellite Phone, Email, Telephone, Police VHF)	Telephone. Email	
10	Types of communication systems used between DEOC and TEOC(Mobile, Satellite Phone, Email, Telephone, Police VHF)	Email, Telephone, mobile phone	
11	Time at which the TEOC was activated and onsite deployment of RRTs were directed	3.10 PM	
12	Time of field deployment of Onsite Response Teams as reported in DEOC	3,20PM	
13	Which rapid response teams are present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in DEOC	Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services	
14	Did the DEOC send the Satellite Phone to the site of event	No	
15	What time did the Rapid Response Teams reach the site as reported at DEOC	F & R	3.15 PM
		CD	
		LSG ERT	3.16 PM
		Police	3.16 PM
		Health	3.17 PM
16	Did DIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of	No. They didn't expect grave situation	



	why DIRT decided to request SEOC for NDRF or other central forces support	
17	Did DEOC scale up the actions and alert levels to the Taluk and Onsite when alert levels were raised by SEOC	No such situation happened
18	What actions were additionally taken in light of the raised alert level	Nothing
19	Did DEOC refer to the Flood/Landslide map of the district	No
20	Did DEOC access the IMD website	No
21	Did DEOC access IDRN	No
22	Did DEOC access NDEM	No
23	Did DEOC access the hotline with SEOC for timely verification of alerts and alert levels and if so how many times during the mock drill	No
24	Does DEOC have two dedicated mobile phones from two different service providers and one dedicated email address	Only one mobile phone
25	Does DEOC have UPS backup and generator back up	Equipments are there. But not installed
26	Are the desktops in the DEOC in working condition and does it have internet connection from two separate service providers	Desktops are not installed in the DEOC
27	Is there a conference area in the DEOC and if yes, did the DIRT meet in the conference area and discuss the response	No
28	Did the DIRT members proactively connect with the onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which DIRT members did contact the field officers	No
29	Did the Irrigation and KSEB representatives in the DEOC access the CWC website, Irrigation website and KSEB website to know the status of rivers and dams	Irrigation and KSEB representatives are not present.
30	Did the DIRT members and DEOC access the Orange Book 2021	No
31	Please read section 4 (page 73-107) of the Orange Book 2021 – Monsoon Preparedness and remark if the appropriate and applicable steps for evacuation as laid therein was followed by the DIRT	No
32	Please read pages 43 to 46 (for floods)	No



	and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level color is followed by the DEOC. For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used	
33	Did any central forces represent in the DEOC	No
34	What time did the mock drill end	3.45PM
35	Did the DIRT conduct a debriefing and if yes, did all DIRT members attend	No
	Response time and Remarks for various activities	
36	Observations (including highlight the positives of the drill)	
	No positives noticed.	
37	Recommendations as an independent observer	
	Infrastructure in the DEOC is quite inadequate to meet any contingency situation. The staff at DEOC to be made aware of the guidelines and procedures to be followed in case any disaster. Felt lack of coordination. The post of Hazard analyst is lying vacant. It is to be filled before Monsoon starts.	
38	Observers Name, Designation, Dept.	Signature
	Renjith T V Deputy Collector (LA) , Collectorate Kannur , Civil Station Post, Kannur.2	<del>Signed copy attached separately</del> 
The Observer may use more space. It is preferred that the format is digitally filled and send back to <a href="mailto:seoc.gok@gmail.com">seoc.gok@gmail.com</a> as word document (*.doc)		







## Independent Observers Report - State



Government of India  
**NATIONAL DISASTER MANAGEMENT AUTHORITY**  
(Ops Division)

NDMA Bhawan, A-1, Safdarjung Enclave,  
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No.02/299/Ops/2021

Date: 31.03.2022

To

Dr A Kowsigan, IAS  
Commissioner (DM),  
Kerala State Disaster Management Authority,  
Govt of Kerala  
(Email: commissionerdmkerala@gmail.com)

Subject: **Independent Observer's Report on State Wide Mock Drill on Floods and Landslide held on 16 March 2022 - reg.**


Sir,

Refer to NDMA's letter of even No dated 14.03.2022 vide which Brig BS Thakar (Retd), Consultant (ME & IRS) was detailed as an independent observer for the said exercise.

2. In this regard, the Independent Observer's detailed report duly approved by the competent authority is hereby forwarded for your retention and necessary action please.

Encl: As above

Yours faithfully,

  
(Dr Pavan Kumar Singh)  
Joint Advisor (Ops)



**Independent Observer's Report on State Wide Field Mock  
Exercise on Floods and Landslide Held on  
16 March 2022**

**By**  
**Consultant (ME & IRS)**  
**National Disaster Management Authority**

Organised by  
Kerala State Emergency Operations Centre  
Kerala State Disaster Management Authority  
Observatory Hills, Vikas Bhavan P.O  
Thiruvananthapuram – 695033



**Kerala State Wide Mock Drill, 16-3-2022****Observers Report – State Emergency Operation Centre**

*(The observer had to be present at SEOC from 1.45 pm onwards and he/she shall not interact with the duty staff or the mock drill staff. A totally impersonal report is expected)*

1	State	Kerala (all districts)
2	Time of communicating the alert to SIC and arrival of SIC to SEOC	2.15 PM
3	Time of arrival of SIRT members on request from SIC	2.17 PM
4	Time of communicating the alert to DEOCs	2.20 PM
5	Time of arrival of SIRT Members (Refer page 66 of Orange Book 2 for State Incident Response Team) in SEOC	2.20 PM
6	<p>Response/action initiated by State Incident Commander</p> <ul style="list-style-type: none"> <li>• SEOC Activated.</li> <li>• State Responsible Officer (Chief Secretary) intimated. Chief Secretary further informed Chief Minister.</li> <li>• State Incident Response Team activated. Alternate State Incident Commander (Additional Chief Secretary, Home Department) was informed.</li> <li>• SOP activated in accordance with the Orange Book. Communication was sent to all DEOCs to activate District Incident Response Team, Taluk EOCs and Taluk Incident Response Team.</li> <li>• An Incident Action Plan was discussed and decision was made to pre-position 14 NDRF teams, one in each district.</li> <li>• A detailed weather prognosis in vernacular language was issued to DDMA's, departments, and separate instructions were given to the public based on the level of threat expected.</li> <li>• Alert messages were given to state forces to be in a ready state for deployment.</li> <li>• Multi Hazard Prone Maps with helicopter landing sites were given to the DDMA's for easy access as PDF layouts.</li> </ul>	
7	Total number of persons present in the mock drill in SEOC	21
8	SIRT Members present in SEOC (Refer page 66 of Orange Book- 2 for State Incident Response Team)	7 (SRC, CDM, Head SEOC, HRA, Representative of Police, Representative of Health Department, Representative of Transport Department). Additionally representatives of Irrigation, KSEB, IMD,



		Indian Army and NDRF were present.	
9	Types of communication systems used between SEOC and DEOC (Mobile, Satellite Phone, Email, Telephone)	Trivandrum	Mobile, Hotlines, Email, WhatsApp
		Kollam	Mobile, Hotlines, Email, WhatsApp
		Pathanamthitta	Mobile, Hotlines, Email, SAT phone, WhatsApp
		Alappuzha	Mobile, Hotlines, Email, WhatsApp
		Kottayam	Mobile, Hotlines, Email, WhatsApp
		Idukki	Mobile, Hotlines, Email, WhatsApp
		Ernakulam	Mobile, Hotlines, Email, SAT phone, WhatsApp
		Thrissur	Mobile, Hotlines, Email, WhatsApp
		Palakkad	Mobile, Hotlines, Email, WhatsApp
		Malappuram	Mobile, Hotlines, Email, WhatsApp
		Kozhikode	Mobile, Hotlines, SAT phone, Email, WhatsApp
		Wayanad	Mobile, Hotlines, Email, WhatsApp
		Kannur	Mobile, Hotlines, Email, WhatsApp
		Kasaragod	Mobile, Hotlines, Email, SAT Phone, WhatsApp
10	Types of communication systems used	Trivandrum	Mobile, Telephone



	between SEOC and TEOC (Mobile, Satellite Phone, Email, Telephone)	Kollam	Mobile, Telephone
		Pathanamthitta	Mobile, Telephone
		Alappuzha	Mobile, Telephone
		Kottayam	Mobile, Telephone
		Idukki	Mobile, Telephone
		Ernakulam	Mobile, Telephone
		Thrissur	Mobile, Telephone
		Palakkad	Mobile, Telephone
		Malappuram	Mobile, Telephone
		Kozhikode	Mobile, Telephone
		Wayanad	Mobile, Telephone
		Kannur	Mobile, Telephone
		Kasargode	Mobile, Telephone
11	Types of communication systems used between SEOC and Onsite (Mobile, Satellite Phone, Email, Telephone)	Trivandrum	Mobile
		Kollam	Nil
		Pathanamthitta	Nil
		Alappuzha	Nil
		Kottayam	Nil
		Idukki	Mobile
		Ernakulam	Nil
		Thrissur	Nil
		Palakkad	Nil
		Malappuram	Nil
		Kozhikode	Nil
		Wayanad	Nil
		Kannur	Nil
		Kasargode	Mobile



12	Time of field deployment of Onsite Response Teams as reported in SEOC in 14 districts	Trivandrum	3.00 pm
		Kollam	2.45 pm
		Pathanamthitta	Between 2.30 & 3.00 pm
		Alappuzha	2.15 pm
		Kottayam	3.00 pm
		Idukki	3.00 pm
		Ernakulam	2.45 pm
		Thrissur	Between 2.30 & 2.45 pm
		Palakkad	2.20 pm
		Malappuram	2.55 pm
		Kozhikode	3.00 pm
		Wayanad	2.30 pm
		Kannur	2.30 pm
		Kasargode	2.30 pm
13	Which rapid response teams were present onsite (Health, Local Government ERTs, Civil Defense, Police, Fire and Rescue Services) as reported in SEOC	Trivandrum	Health, ERT, Sannadhasena, Civil Defense, Fire, Police, NGOs
		Kollam	Health, ERT, Sannadhasena, Civil Defense, Fire, Police, NGOs
		Pathanamthitta	Health, ERT, Sannadhasena, Civil Defense, Fire, Police, NGOs
		Alappuzha	Health, ERT, Sannadhasena, Civil Defense, Fire, Police, NGOs



	Kottayam	Health, ERT, Sannadhasena, Civil Defense, Fire, Police, NGOs
	Idukki	Health, ERT, Sannadhasena, Civil Defense, Fire, Police, NGOs
	Ernakulam	Health, ERT, Sannadhasena, Civil Defense, Fire, Police, NGOs
	Thrissur	Health, ERT, Sannadhasena, Civil Defense, Fire, Police, NGOs
	Palakkad	Health, ERT, Sannadhasena, Civil Defense, Fire, Police, NGOs
	Malappuram	Health, ERT, Sannadhasena, Civil Defense, Fire, Police, NGOs
	Kozhikode	Health, ERT, Sannadhasena, Civil Defense, Fire, Police, NGOs
	Wayanad	Health, ERT, Sannadhasena, Civil Defense, Fire, Police, NGOs
	Kannur	Health, ERT, Sannadhasena, Civil Defense, Fire, Police, NGOs
	Kasargode	Health, ERT, Sannadhasena,



			Civil Defense, Fire, Police, NGOs
14	Did the SEOC test its satellite phone	Yes – To connect to Kasragod DEOC	
15	Did SIRT decide to avail the services of NDRF or other Central Forces and if so, why? Please have a narration of why SIRT decided to request for the support of NDRF or other central forces	<ul style="list-style-type: none"> <li>As part of precautionary actions 14 NDRF teams were requested for pre-positioning in 14 districts after the Orange alert was received from IMD. Pre-positioning NDRF teams is a service available to the States and given the two days of continuous state wide rainfall and subsequent state-wide orange alert, it was essential to pre-position NDRF teams.</li> <li>NDRF assistance was requested from Malappuram, Idukki, Kasaragod and Kozhikode</li> <li>Idukki DDMA requested for Indian Navy, Army and Air Force assistance</li> </ul>	
16	Did SEOC team change the alert level? and if yes, which districts	Trivandrum	No
		Kollam	No
		Pathananthitta	No
		Alappuzha	No
		Kottayam	No
		Idukki	No
		Ernakulam	No
		Thrissur	No
		Palakkad	No
		Malappuram	No
		Kozhikode	No
		Wayanad	No
		Kannur	No
		Kasaragod	Orange to Red Alert
17	What actions were additionally taken in light of the raised alert level	<ul style="list-style-type: none"> <li>Specific information was provided to Kasaragod regarding the elevated hazard level.</li> </ul>	



		<ul style="list-style-type: none"> <li>• Telephonic calls were given to the DEOC.</li> <li>• Satellite phone communication was given.</li> <li>• SOP of Red Alert Rainfall was activated.</li> <li>• Enquiry was made as to if DDMA required any additional assistance.</li> </ul>	
18	Did SEOC refer to the Flood/Landslide map of the district	Yes	
19	Did SEOC access the IMD website	Yes	
20	Did SEOC access IDRN	Yes	
21	Did SEOC access NDEM	Yes	
22	Did SEOC access the Geo-database	Yes	
22	Did SEOC access the hotline with DEOCs for timely verification of alerts and alert levels and if so how many times during the mock drill	Trivandrum	Yes (9)
		Kollam	Yes (8)
		Pathanamthitta	Yes (11)
		Alappuzha	Yes (8)
		Kottayam	Yes (9)
		Idukki	Yes (17)
		Ernakulam	Yes (8)
		Thrissur	Yes (6)
		Palakkad	Yes (5)
		Malappuram	Yes (6)
		Kozhikode	Yes (5)
		Wayanad	Yes (6)
		Kannur	Yes (6)
Kasaragod	Yes (10)		
23	Does SEOC have two dedicated mobile phones from two different service providers and one dedicated email address	Yes	




24	Does SEOC have UPS backup and generator back up and where they tested during the mock drill. If yes, did it work	Yes, Functional
25	Are the desktops in the SEOC in working condition and does it have internet connection from two service providers	Yes
26	Is there a conference area in the SEOC and if yes, did the SIRT meet in the conference area and discuss the response	Yes, however the conference area was not used for SIRT meeting instead the Fusion Centre was used
27	Did the SIRT members proactively connect with the DEOC members and onsite response team leaders of their respective departments and verify the ongoing evacuation process. If yes, which SIRT members did contact the field officers	Yes, the members of NDRF, Medical Department and Revenue contacted the field officers.
28	Did the Irrigation and KSEB representatives in the SEOC access the CWC website, Irrigation website and KSEB website to know the status of rivers and dams	Yes
29	Did the SIRT members access the Orange Book 2021	Yes
30	Please read pages 43 to 46 (for floods) and page 55 (for landslides) of Orange Book 1 – SOPs and Emergency Supports Functions Plan and remark if the steps laid for each threat level color is followed by the DEOC. <i>For flood scenario districts the flood SOP should be used and for landslide scenario the landslide SOP should be used</i>	Yes
31	Which all Central Forces send their representatives to SEOC	ARMY and NDRF



32	What time did the mock drill end	4.17 PM
33	Was debriefing conducted and did all SIRT members attend it	Yes
	<b>Response time and Remarks for various activities</b>	
34	<b>Observations (including highlight the positives of the exercise)</b>	
	<ul style="list-style-type: none"> <li>• A highly sophisticated SEOC has been established having a multi-disciplinary team.</li> <li>• Well written and explicit Standard Operating Procedures which are updated annually exists.</li> <li>• Orange Books contain best practices which can be replicated in other states too.</li> <li>• Good quality hazard maps were available with critical infrastructure locations which were useful for response planning.</li> <li>• Situational awareness guided the allocation of NDRF.</li> <li>• Geo-database and Infrastructure Inventory in GIS format is available.</li> <li>• Flood return probability maps of 1 in 10 years to 1 in 500 years with flood hazard foot print of local governments has been published and placed in public domain as PDFs and Geo TIFF.</li> <li>• Landslide susceptibility maps published in public domain as PDFs and KMZ (format that could be used in Google Maps).</li> <li>• Clear and concise guidelines were issued for the conduct of the exercise.</li> <li>• CAP alert system Sachet developed by CDoT and NDMA were utilized.</li> <li>• Line departments, DEOCs, TEOCs and field ERTs actively participated in the drill.</li> <li>• SOPs were followed.</li> <li>• Active involvement of local governments and local volunteers were seen.</li> <li>• DEOCs and TEOCs were highly responsive in providing timely inputs to KSEOC for ensuring high degree of situational awareness.</li> <li>• Coordination of the 14 districts involved in two types of hazards was successfully executed.</li> <li>• Districts went on simulating a real event of floods and landslides and also activated triaging and hospitalization. Idukki district simulated building collapse and even simulated the movement of bulldozers.</li> <li>• Relief distribution was also simulated.</li> </ul>	
35	<b>Suggestions</b>	
	<ul style="list-style-type: none"> <li>• Presence of <b>Fire and Rescue Services was not seen</b> in SEOC despite direct communication to the F &amp; RS HQ when the SEOC was activated. F &amp; RS being the primary response agency in the State should ensure the presence of an <b>officer of Additional Director rank</b> in SEOC when it is activated.</li> <li>• While SOPs were well followed, a simulation of creation of an Incident Action Plan should have been undertaken in SEOC, DEOC and TEOC. Every incident should be addressed with an appropriate IAP decided by SIC, DIC and TIC at the appropriate level.</li> </ul>	



	<ul style="list-style-type: none"> <li>• The scenario provided to districts was anticipatory evacuation in light of an impending disaster but districts went on to simulate actions to be taken during the event of floods and landslides.</li> <li>• While Idukki district was given the scenario of landslide hazard, the district requested for Navy, Army and Air Force for response. The SEOC <b>authorized the use of Navy also</b>, which was not required. The SEOC and DEOCs should stick to the mock drill guidelines such that relative performance can be well evaluated. It is recommended that <b>a mock drill with cascading events may be arranged in the districts before monsoon 2022</b></li> <li>• While one NDRF team each was requested to be prepositioned in each district, none of the district acknowledged that NDRF teams arrived. Yet it was noted that some districts simulated the exercise assuming the presence of more than two NDRF teams. NDRF is a high-end <b>resource to be used judiciously</b> and therefore, DDMA's should first exhaust the available resources in the district before requesting for additional teams</li> <li>• Districts were seen to be using SAT Phones from the DEOC only, while the asset should have been sent to the emergency site for the onsite incident commander to use as emergency communication between the site and EOC. This being a critical asset its judicious use therefore is required in times of emergencies. The SAT phone should be given to the field command in times of major emergencies. It is recommended that <b>one satellite phone per Taluk and Local Self Government</b> should be provided by KSEOC</li> <li>• The DEOCs and TEOCs were seen to be using Gmail accounts. All DEOCs should be directed to create <b>an email account in kerala.gov.in domain</b> with the following code <u>deocdistrictcode@kerala.gov.in</u> and <u>teotalukcode@kerala.gov.in</u></li> <li>• The DSS of SEOC is in the making under the NCRMP project. Necessary input data through APIs from suitable sources should be provided seamlessly for the DSS to work. The DSS should have <b>a mock drill specific portal</b> to be used for mock drills</li> <li>• A GIS portal to communicate hazard in Panchayat, municipality and corporation level to public should be developed</li> <li>• A state-wide <b>coordination with NGOs was not seen at SEOC</b>. A State IAG may be formed and its convenor should be called to SEOC during emergencies for close coordination with NGOs</li> <li>• The SAT phones do not work indoors. Hence a <b>suitable antenna</b> may be procured for all DEOCs and SEOC to ensure the usage of the SAT phone inside the building</li> </ul>	
36	Observers Name, Designation, Dept.	Signature
	Brig BS Thakar, Consultant(ME & IRS), NDMA	



“We cannot stop disasters from happening, but we can dramatically reduce their impact, if the right disaster risk reduction measures are taken in advance” – Ban Ki Moon.