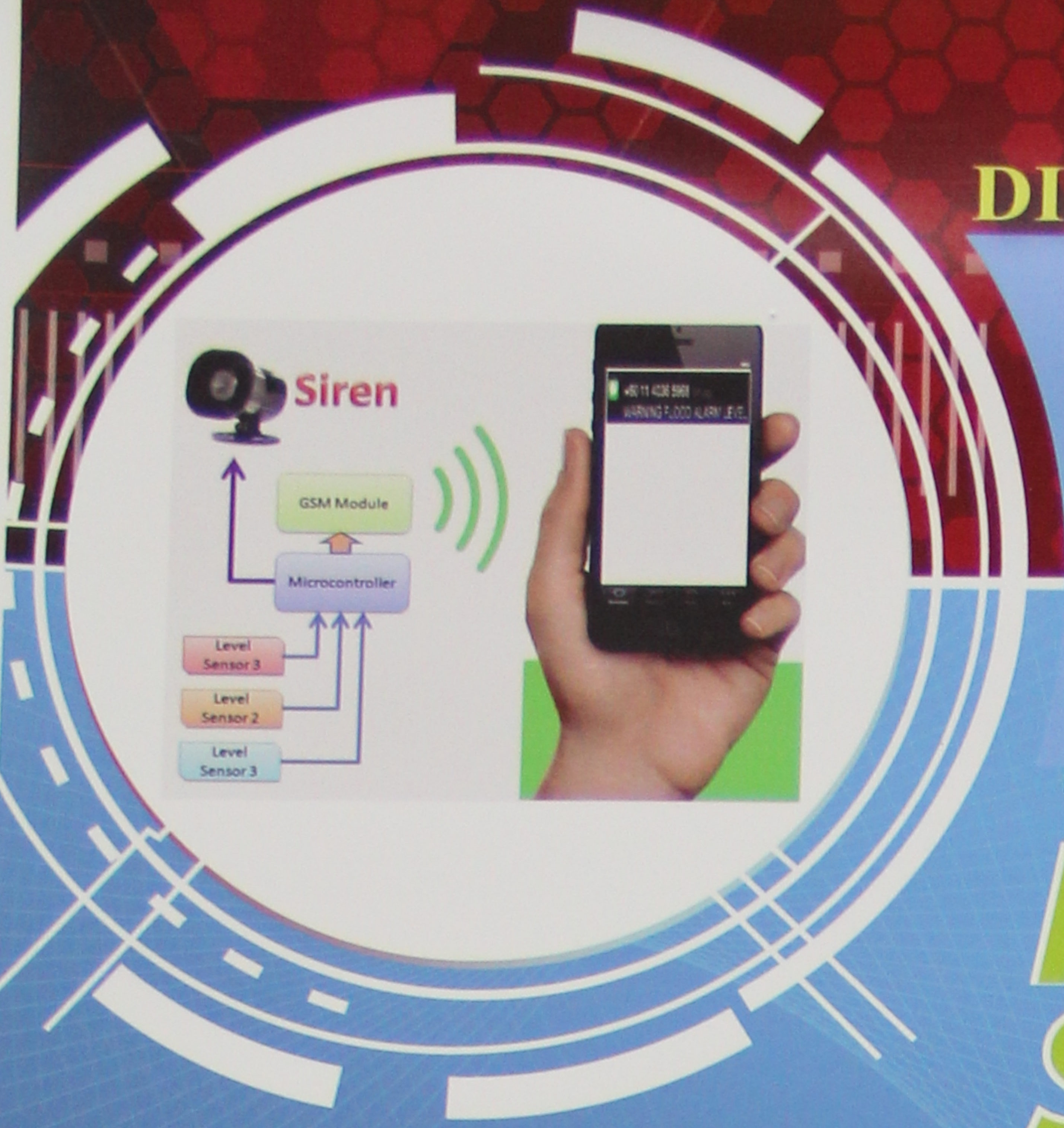


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FLOOD ALERTING SYSTEM (FAS)

Summary of Invention

Since flood disaster is considered dangerous to human life, an efficient countermeasure or alert system must be implemented in order to notify people in the early stage so that safety precautions can be taken. Therefore, an early warning system Flood Alerting System (FAS) is developed. The product features consist of low cost, effective and extremely simple system requires no regular maintenance. It provides SMS and Calling alert using GSM technology. This system is designed for monitoring water level remotely and utilizes Global System of Mobile Connections (GSM) and Short Message Service (SMS) to convey data from sensors to the respective users through their mobile phone. Alerting system at different water level can be easily configured to automatically notify the communities on the floods disaster.

Problem Statement

In general flooding is unavoidable however the early flood alerting system will give householders, business owners, and local authorities more warning before a flood so that they have more time to act. An early warning system could give you sufficient time to put measures in place to protect your property and possessions. For example, you could turn off your power and gas, move your car to higher ground, and ensure your most treasured possessions are stored above the highest possible flood line. Therefore, the suitable alert tools or scheme that detects the floods should be developed to give continuous alert information before situation becomes critical. This is due to most flood victims are not aware of the increasing water level caused by continuous rainfall especially at midnight.

Advantages

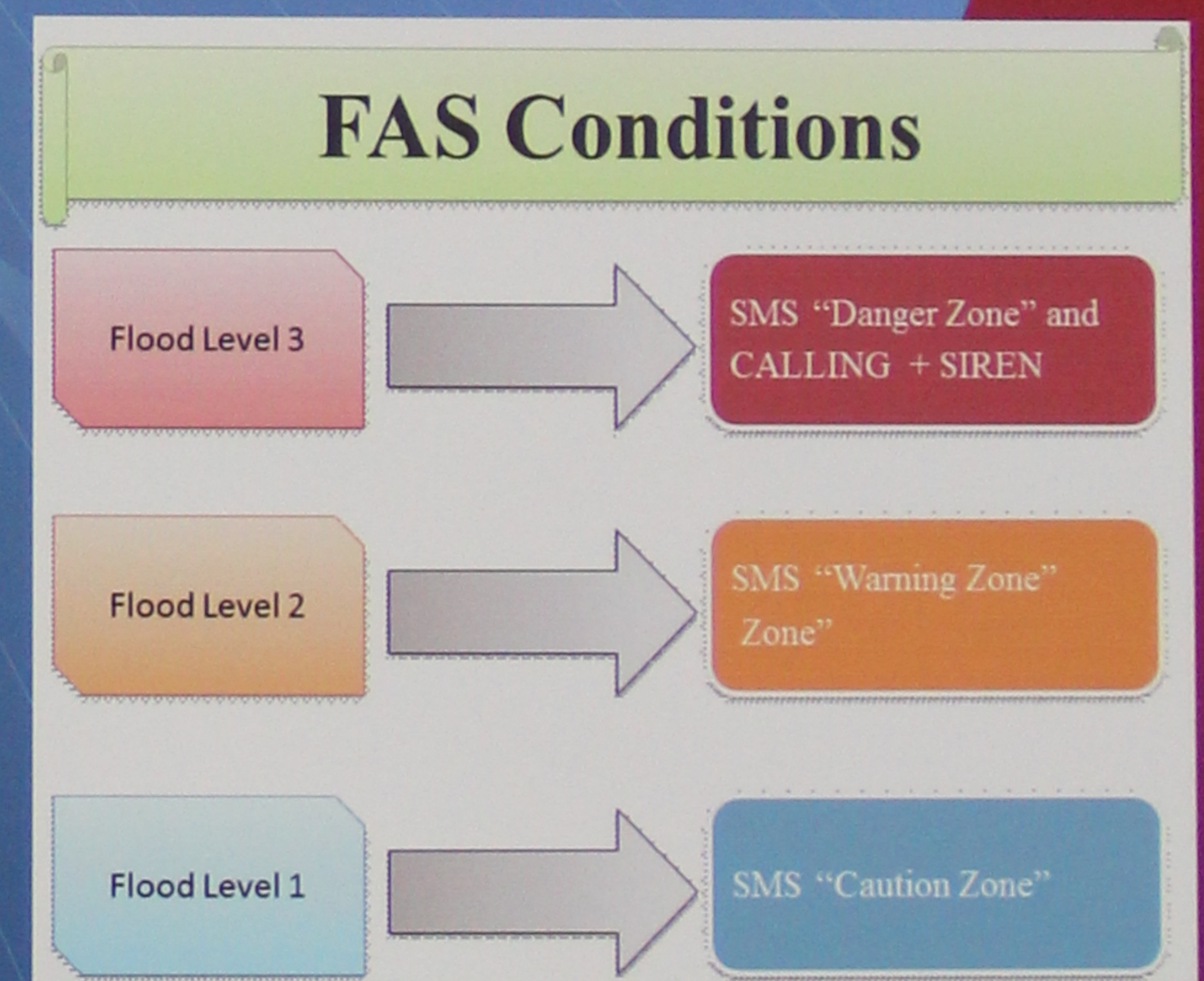
- Early detection and alert.
- Give adequate warning of rising water levels
- Set up flood defense and move precious items in time
- SMS alerts can be effective even in the middle of the night
- CALLING alerts when dangerous zone reached.

Novelty of Invention

This product invented with portable features which can be installed at various water level, easy installation, requires no regular maintenance and can be effectively install in any area of flood potential. stating that the fire is going on in the house. This situation can prevent severe accidents if users are not at home.

Commercial Potential

- Community lives in the area of flood potential or regular flooding.
- Private Industries
- Government property
- Department of Irrigation and Drainage



FAS Conditions



Notification Flood Alarm Level