

## Early Flood Warning System



Early warning systems are an important component of disaster risk management strategies. In contrast to flood forecasting systems, which assess flood risk, the main purpose of early warning systems is to issue warnings when a flood is occurring. It uses a radar Level sensor for water level measurement in River and Rainfall Sensor as a base input parameter. This system has capability to incorporate Radar Velocity Sensor (Optionally at extra cost) for discharge measurement using discharge data to executive remote alarm.

### Features:

- Non Contact Radar type Level Measurement
- Rainfall Measurement
- Discharge measurement (Optional at Extra Cost)
- Inbuilt Telemetric Data logger
- Dual Data Download Facility (USB & GSM GPRS)
- Online Data download through Webspaces
- SMS Alert Facility
- One Wireless Hooter Alarm Alert Provided in Down Steam
- System can be connected to more numbers of Wireless Hooters at Extra Cost
- Hybrid Power System: Works on 230 V AC & Solar Power

### Mounting Mast & Solar Panel

- Mast: GI Mast with sensor brackets.
- Solar Panel: Output Voltage: 12 Volt DC, Wattage: 100 Watt (as per system power requirement)



#### Radar Water Level Sensor:

Measuring principle: pulse  
runtime procedure  
Measuring range: 0 - 15 / 35 mtr  
Resolution: 1 mm



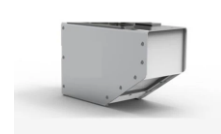
#### Tipping Bucket Rain gauge:

Collector area: 330 cm<sup>2</sup>  
Range: 100mm / hour  
Resolution: 0.20mm / 0.50 mm



#### GSM Remoter Siren / Hooter:

Ideal Audible Range: 3.25 kms  
Motor: 0.5 HP  
Impeller Size: 6 inches



#### Radar Water Velocity Sensor:

Measuring principle: Bidirectional  
microwave velocity measurement  
Range: ± 0.05 to ± 15.0 m/s  
Resolution: 1 m/s

An arrangement of Two Post-paid GPRS-Active GSM SIM Cards is in buyer work of scope. There should be Network Coverage Availability at the installation site. For Data Access Free Web-space will be provided for 1year & will be chargeable afterwards.