

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 Webspace
- 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



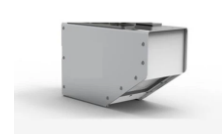
Tipping Bucket Rain gauge:

Collector area: 330 cm²
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.