

TDP: Hillslope hydrologic Response Studies in Northwest Himalayan Ecosystem

Major Objectives

1. To study the runoff generation over different hillslopes (experimental plots) by variable intensity rainfall generation.
2. To derive the relationship between rainfall intensity, its duration, rainfall amount and runoff response at hill slopes.
3. Development and establishment of Hillslope Hydrologic Model.
4. RS data assimilation and calibration and validation of developed model at the watershed/catchment/basin scale.



DWLR



H-Flume
(0.6 ft)



Soil Moisture Sensors

Rainfall simulation movie

Development and Establishment of Hillslope Hydrologic Model

Conceptual Framework

