

Format P1 Selection of Representative Watershed

1. The watershed must be in a River Valley Project (RVP) / Flood Prone River (FPR) catchment and must fall under High or Very High Priority.
2. The Watershed Project Report (WPR) has been approved by the Ministry of Agriculture, Soil and Water Conservation Division.
3. The watershed should be untreated.
4. The watershed should be easily accessible.
5. The watershed should be representative for this area with regard to agro-climatic and socio-economic conditions.
6. At the drainage point of the watershed a hydrological monitoring station has to be constructed. The site on this station has to comply with the following conditions:
 - There should be a straight and uniform channel on the upstream side for a distance equal to atleast five times the width of the stream and for a distance equal to twice the width of the stream on the downstream side.
 - Site for location of the station should be as close as possible to the channel.
 - The banks of the channel should be high enough so that there is no overflow during peak discharge.
 - Locations with turbulent flow and reachers with aquatic vegetation must be avoided.
 - There should be no backwater effect at the gauging site.
 - During monsoons, the station must be manned 24 hours a day for continuous observation of sediment concentrations. (i.e. sample collection in 30' intervals).
 - Regular inspection visits of the station by the officer-in-charge must be ensured.
 - Full security arrangements at the station must be ensured.
7. A second gauging site in proximity representing the same agro-climatic conditions should be selected. For proper hydrological monitoring one watershed should be treated (after one or two years of monitoring), whereas the second watershed remains untreated. Only this allows a comparative evaluation of the soil and water conservation schemes.