**Steps to compute runoff inflow into villages**

Step 1: Demarcate the micro watershed boundaries

Step 2: Superimpose the village boundary on the micro watershed demarcated in Step 1

Step 3: Locate other villages present in the micro-watershed in which the above village boundary belongs

Step 4: Using DEM determine the upstream villages with respect to the concerned village

Step 5: Map the drainage pattern entering into the concerned village from outside

Step 6: Locate the origin of 1st order streams coming into the concerned village

Step 7: List down the villages which were housing the origins of the 1st order stream

Step 8: Using stanges table determine the runoff from the village

Step 9: locate various structures present in the village by identifying its signature and thus determining the runoff exiting the village

Step 10: This runoff that is exiting the village needs to be added as the runoff entering the concerned village

**Steps to compute baseflow**

Step 1: Locate all the wells present in the village

Step 2: Determine the elevation of the village and develop a contour map of the village

Step 3: Determine the post-monsoon water level in the well and subtract it from the elevation of the village to get the elevation of the well water above sea level

Step 4: Develop the contour map of the well water elevation and see at which points the contour map of the village coincides with the well

Step 5: Points which coincides denote the existence of baseflow.

But since the data of wells in not known, so as per GEC 10-15% of the total groundwater can be considered as water coming onto the surface as baseflow.